

Complex Glazing Database: Version 17.0

Windows and Envelope Materials Group, Lawrence Berkeley National Laboratory; <https://windows.lbl.gov/software/cgdb>

Notes for 17.0:

The following Mermet records were deleted:

- 47068 Natte 5% White-Linen
- 47069 Natte 5% White-White
- 47070 Natte 5% White-Pearl
- 47071 Natte 5% Cocoa-Grey
- 47072 Natte 5% Cocoa-Straw
- 47073 Natte 5% Cocoa-Cocoa
- 47082 Natte 10% White-Linen
- 47083 Natte 10% White-White
- 47084 Natte 10% White-Pearl
- 47085 Natte 10% Cocoa-Grey
- 47086 Natte 10% Cocoa-Straw
- 47087 Natte 10% Cocoa-Cocoa

The following Hunter Douglas records were deleted:

- 14000 Architella Elan 3/4" Semi-Opaque (C22)
- 14001 Architella Elan 3/4" Opaque (C23)
- 14002 Classic 3/4" Semi-Opaque (D2)
- 14003 Classic 3/4" Opaque (D7)
- 14004 Whisper 3/4" Sheer (D8)
- 14005 Architella Trielle Elan 1-1/2" Semi-Opaque (C82)
- 14006 Architella Trielle Elan 1-1/2" Opaque (C83)
- 14050 ECOVIEW Plus Midnight Storm
- 14051 NOVASCREEN Granite

Alkenz

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
7000	Sunshadow 3000, N901 Charcoal	BSDF File	10	@	2011-SA31.XML	1	0.15	0.847	0.847	0.0661	0.0483	0.052	0.052	0.043	0.043	0.052	0.05	0.041	0.041
7001	Sunshadow 3100, N002 white/bone	BSDF File	10	@	2011-SA30.XML	1	0.15	0.785	0.785	0.128	0.0886	0.228	0.228	0.605	0.605	0.292	0.29	0.541	0.541
7002	Sunshadow 4000, N902 Charcoal/Bronze	BSDF File	10	@	2011-SA27.XML	1	0.15	0.815	0.815	0.0933	0.0700	0.073	0.073	0.062	0.062	0.079	0.08	0.072	0.072
7003	Sunshadow 4100, N301 Grey	BSDF File	10	@	2011-SA28.XML	1	0.15	0.785	0.785	0.1186	0.0649	0.08	0.08	0.314	0.314	0.108	0.11	0.305	0.305
7004	Sunshadow CA, CA02 White Moccasin	BSDF File	10	@	2011-SA29.XML	1	0.15	0.817	0.817	0.087	0.0768	0.208	0.208	0.666	0.666	0.255	0.26	0.609	0.609
7005	3000 NET 5% N901 Charcoal/Charcoal	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 5 N901 Charcoal-Charcoal-SE01.xml	0	0.3	0.848	0.848	0.0662	0.0509	0.054	0.054	0.048	0.048	0.055	0.06	0.047	0.047
7006	4000 NET 5% N901 Charcoal/Charcoal	BSDF File	10	@	Alkenz-Sunshadow 4000 NET 5 N901 Charcoal-Charcoal-SE02.xml	0	0.3	0.841	0.841	0.074	0.0566	0.060	0.060	0.044	0.044	0.061	0.06	0.042	0.042
7007	3000 NET 5% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 5 N001 White-White-SE03.xml	0	0.3	0.831	0.831	0.0877	0.0699	0.197	0.197	0.780	0.780	0.249	0.25	0.68	0.68
7008	4000 NET 5% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 4000 NET 5 N001 White-White-SE04.xml	0	0.3	0.843	0.843	0.074	0.0655	0.161	0.161	0.776	0.776	0.211	0.21	0.688	0.688
7009	3000 HT 5% HT01 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 5 HT01 White-White-SE05.xml	0	0.3	0.835	0.835	0.0811	0.0579	0.204	0.204	0.761	0.761	0.254	0.25	0.671	0.671
7010	3000 HT 5% HT03 White/Light Gray	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 5 HT03 White-Light Gray-SE06rev.xml	0	0.3	0.864	0.808	0.0864	0.0613	0.154	0.159	0.641	0.467	0.209	0.21	0.575	0.451
7011	3000 HT 5% HT09 White/Charcoal	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 5 HT09 White-Charcoal-SE07rev.xml	0	0.3	0.86	0.863	0.0574	0.0584	0.078	0.085	0.511	0.153	0.084	0.09	0.427	0.126

Alkenz

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7012	3000 NET 5% N901 Beige/Sable	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 5 N901 Beige-Sable-SE08rev.xml	0	0.3	0.845	0.845	0.0741	0.0577	0.126	0.126	0.451	0.451	0.199	0.2	0.454	0.454
7013	4000 NET 5% N901 Beige/Sable	BSDF File	10	@	Alkenz-Sunshadow 4000 NET 5 N901 Beige-Sable-SE09.xml	0	0.3	0.834	0.834	0.081	0.062	0.107	0.107	0.446	0.446	0.169	0.17	0.448	0.448
7014	3000 CA 3% CA01 White/Floral White	BSDF File	10	@	Alkenz-Sunshadow 3000 CA 3 CA01 White-Floral White-SE10.xml	0	0.3	0.851	0.851	0.0663	0.0471	0.217	0.217	0.768	0.768	0.265	0.26	0.677	0.677
7015	3000 NET 1% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 1 N001 White-White-SE11.xml	0	0.3	0.895	0.895	0.0333	0.0016	0.124	0.124	0.845	0.845	0.175	0.17	0.740	0.740
7016	3000 NET 3% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 3 N001 White-White-SE12.xml	0	0.3	0.839	0.839	0.0813	0.0375	0.156	0.156	0.813	0.813	0.208	0.21	0.711	0.711
7017	3000 NET 5% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 5 N001 White-White-SE13.xml	0	0.3	0.864	0.864	0.0668	0.0562	0.179	0.179	0.789	0.789	0.230	0.23	0.69	0.69
7018	3000 NET 10% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 NET 10 N001 White-White-SE14.xml	0	0.3	0.825	0.825	0.1111	0.0896	0.218	0.218	0.759	0.759	0.268	0.27	0.661	0.661
7019	3000 HT 3% HT01 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 3 HT01 White-White-SE15.xml	0	0.3	0.93	0.93	0.0001	0.0397	0.175	0.175	0.766	0.766	0.224	0.22	0.677	0.677
7020	3000 HT 5% HT01 White/White	BSDF File	10	@	Alkenz-Sunshadow 3000 HT 5 HT01 White-White-SE16.xml	0	0.3	0.880	0.880	0.0581	0.0451	0.19	0.19	0.769	0.769	0.245	0.25	0.673	0.673
7021	VIEW R 15% R103 White/Gray	BSDF File	10	@	Alkenz-Sunshadow VIEW R 15 R103 White-Gray-SE17.xml	0	0.3	0.748	0.748	0.1995	0.1729	0.232	0.232	0.511	0.511	0.262	0.26	0.455	0.455
7022	4700 P Q 1% P012 White/Beige/Beige	BSDF File	10	@	Alkenz-Sunshadow 4700 P Q 1 P012 White-Beige-Beige-SE18.xml	0	0.3	0.917	0.917	0.0001	0.0005	0.102	0.102	0.691	0.691	0.16	0.16	0.623	0.623
7023	4700 P Q 1% Q001 White/Cream/Alabaster Beige	BSDF File	10	@	Alkenz-Sunshadow 4700 P Q 1 Q001 White-Cream-Alabaster Beige-SE19rev.xml	0	0.3	0.813	0.813	0.0931	0.0005	0.124	0.131	0.769	0.729	0.171	0.18	0.681	0.657

Alkenz

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7024	4000 NET 3% N001 White/White	BSDF File	10	@	Alkenz-Sunshadow 4000 NET 3 N001 White-White-SE20.xml	0	0.3	0.833	0.833	0.0655	0.0576	0.151	0.151	0.78	0.78	0.199	0.2	0.693	0.693
7025	Sunshadow - 3000 CA 3 CA09 Charcoal/Charcoal	BSDF File	10	@	SE56.xml	0	0.12	0.849	0.849	0.0743	0.0507	0.054	0.054	0.043	0.043	0.055	0.05	0.042	0.042
7026	Sunshadow - 3000 NET 1 N901 Charcoal/Charcoal	BSDF File	10	@	SE57.xml	0	0.12	0.866	0.866	0.0577	7E-05	1E-04	1E-04	0.045	0.045	0.0001	0.0001	0.044	0.044
7027	Sunshadow - 3000 NET 10 N901 Charcoal/Charcoal	BSDF File	10	@	SE58.xml	0	0.12	0.847	0.847	0.0817	0.0954	0.100	0.100	0.043	0.043	0.101	0.10	0.042	0.042
7028	Sunshadow - 3000 HT 5 HT09 White/Charcoal	BSDF File	10	@	SE59.xml	0	0.12	0.829	0.830	0.0909	0.0737	0.113	0.1	0.162	0.501	0.115	0.10	0.155	0.481
7029	Sunshadow - VIEW R 15 R900 Charcoal/Charcoal	BSDF File	10	@	SE60.xml	0	0.12	0.734	0.734	0.1912	0.1508	0.156	0.156	0.036	0.036	0.156	0.16	0.036	0.036

Ferrari Textiles Corporation

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
9000	Preconstraint 502, 8861 - Vanilla	BSDF File	10	@	2011-SA41.XML	1	0.15	0.894	0.894	0.0002	7E-05	0.03	0.03	3.186	3.186	0.09	0.09	0.644	0.644
9001	Soltis 86, 2002 - Sand	BSDF File	10	@	2011-SA40.XML	1	0.15	0.716	0.716	0.2078	0.1345	0.208	0.208	0.463	0.463	0.255	0.25	0.476	0.476
9002	Soltis 92, 2002 - Sand	BSDF File	10	@	2011-SA39.XML	1	0.15	0.801	0.801	0.1147	0.0569	0.130	0.130	0.536	0.536	0.185	0.19	0.543	0.543
9003	Soltis 93, 3002 - Sand	BSDF File	10	@	2011-SA38.XML	1	0.15	0.837	0.837	0.0739	0.0355	0.1	0.1	0.546	0.546	0.157	0.16	0.561	0.561

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9004	Soltis B92N, 1043 - Bronze	BSDF File	10	@	2011-SA37.XML	1	0.15	0.828	0.828	0.0001	0	2E-05	2E-05	0.293	0.293	0	0	0.132	0.132

Generic

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50	Cellular Shade. Single cell, light color	Cellular Shade	10		ID50_CS.thmx	20		0.806	0.806	0.0083	0	0.225	0.225	0.659	0.66	0.218	0.22	0.632	0.632
51	Cellular Shade. Stacked double cell, light color	Cellular Shade	10		ID51_CS.thmx	24		0.79	0.79	0.0003	0	0.06	0.06	0.68	0.679	0.057	0.06	0.653	0.651
52	Cellular Shade. cell-in-cell, light color	Cellular Shade	10		ID52_CS.thmx	35		0.876	0.875	0.0003	0.0086	0.038	0.037	0.547	0.548	0.038	0.04	0.506	0.508
53	Cellular Shade. Single cell, blackout, low-e	Cellular Shade	10		ID53_CS.thmx	39		0.905	0.905	1E-05	0	0	0	0.568	0.567	0	0	0.554	0.553
54	Cellular Shade. Single cell, light color, sheer	Cellular Shade	10		ID54_CS.thmx	26		0.668	0.668	0.2031	0.59	0.558	0.557	0.392	0.392	0.561	0.56	0.383	0.383

Glen Raven

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10001	Firesist, Sand 82006	BSDF File	10	@	2011-SA55.XML	1	0.15	0.835	0.835	0.0459	0.0001	0.024	0.024	0.29	0.29	0.054	0.05	0.327	0.327
10002	Firesist, Black 82008	BSDF File	10	@	2011-SA85.XML	1	0.15	0.896	0.896	0.0002	0.0002	5E-06	5E-06	0.038	0.038	0	0	0.042	0.042
10003	Sunbrella awning, Black 4608	BSDF File	10	@	2011-SA45.XML	1	0.15	0.835	0.835	0.0565	0	2E-05	2E-05	0.022	0.022	9E-06	9E-06	0.021	0.021
10004	Sunbrella awning, Taupe 4648	BSDF File	10	@	2011-SA46.XML	1	0.15	0.764	0.764	0.0438	4E-06	0.0009	0.0009	0.149	0.149	0.005	0.005	0.19	0.19

Glen Raven

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10005	Sunbrella awning, Heather Beige 4672	BSDF File	10	@	2011-SA47.XML	1	0.15	0.805	0.805	0.0002	3E-05	0.008	0.008	0.245	0.245	0.034	0.03	0.323	0.323
10006	Sunbrella awning, Brass 4658	BSDF File	10	@	2011-SA48.XML	1	0.15	0.76	0.76	0.0626	6E-05	0.011	0.011	0.239	0.239	0.038	0.04	0.305	0.305
10007	Sunbrella awning, Oyster 4642	BSDF File	10	@	2011-SA49.XML	1	0.15	0.771	0.771	0.0441	0.0002	0.137	0.137	0.562	0.562	0.18	0.18	0.608	0.608
10008	Sunbrella awning, Natural 4604	BSDF File	10	@	2011-SA50.XML	1	0.15	0.79	0.79	6E-05	0.0013	0.207	0.207	0.684	0.684	0.21	0.21	0.676	0.676
10009	Sunbrella awning, Linen 4633	BSDF File	10	@	2011-SA51.XML	1	0.15	0.781	0.781	0.0311	0.0002	0.033	0.033	0.371	0.371	0.125	0.12	0.52	0.52
10010	Sunbrella awning, Cadet Gray 4630	BSDF File	10	@	2011-SA52.XML	1	0.15	0.761	0.761	0.0437	6E-05	0.011	0.011	0.277	0.277	0.118	0.12	0.479	0.479
10011	Sunbrella awning, Green 4637	BSDF File	10	@	2011-SA53.XML	1	0.15	0.837	0.837	0.0002	7E-06	7E-06	7E-06	0.042	0.042	0.0003	0.0003	0.074	0.074
10012	Sunbrella awning, Dubonnet Tweed 4606	BSDF File	10	@	2011-SA54.XML	1	0.15	0.861	0.861	0.0009	0	0.0002	0.0002	0.044	0.044	0.011	0.01	0.124	0.124
10013	Sunbrella shade, Black 4608	BSDF File	10	@	2011-SA57.XML	1	0.15	0.835	0.835	0.0565	0	6E-06	6E-06	0.024	0.024	2E-05	2E-05	0.024	0.024
10014	Sunbrella shade, Ebony 318	BSDF File	10	@	2011-SA58.XML	1	0.15	0.802	0.802	0.0643	0.0231	0.041	0.041	0.062	0.062	0.046	0.05	0.075	0.075
10015	Sunbrella shade, Eggshell 173	BSDF File	10	@	2011-SA56.XML	1	0.15	0.704	0.704	0.0867	0.0251	0.284	0.284	0.559	0.559	0.301	0.30	0.569	0.569
10016	Sunvision Ecru	BSDF File	10	@	2014-SC39.XML	0	0.15	0.669	0.669	0.1831	0.1391	0.345	0.345	0.590	0.590	0.364	0.36	0.559	0.559

Glen Raven

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10017	Sunvision Ardoise	BSDF File	10	@	2014-SC40.XML	0	0.15	0.685	0.685	0.1655	0.1088	0.144	0.144	0.079	0.079	0.155	0.16	0.097	0.097
10018	Sunvision Perle	BSDF File	10	@	2014-SC41.XML	0	0.15	0.657	0.657	0.1817	0.1043	0.189	0.189	0.243	0.243	0.222	0.22	0.255	0.255
10020	SWN-M005	BSDF File	17	@	Dickson-Glen Raven SWN-M005-SE33.xml	1	0.3	0.733	0.733	0.1944		0.291	0.291	0.678	0.678	0.311	0.31	0.609	0.609
10021	SWN-M652	BSDF File	17	@	Dickson-Glen Raven SWN-M652-SE34.xml	1	0.3	0.731	0.731	0.1974		0.155	0.155	0.245	0.245	0.17	0.17	0.234	0.234
10022	SWK M005	BSDF File	17	@	Dickson-Glen Raven SWK-M005-SE35.xml	1	0.3	0.819	0.819	0.0804		0.263	0.263	0.715	0.715	0.291	0.29	0.642	0.642
10023	SWK M391	BSDF File	17	@	Dickson-Glen Raven SWK-M391-SE36.xml	1	0.3	0.743	0.743	0.1647		0.067	0.067	0.058	0.058	0.068	0.07	0.056	0.056
10024	SWK M654	BSDF File	17	@	Dickson-Glen Raven SWK-M654-SE37.xml	1	0.3	0.803	0.803	0.1042		0.155	0.155	0.508	0.508	0.189	0.19	0.465	0.465
10025	SWC M005	BSDF File	17	@	Dickson-Glen Raven SWC-M005-SE38.xml	1	0.3	0.856	0.856	0.044		0.279	0.279	0.687	0.687	0.299	0.3	0.623	0.623
10026	SWC M392	BSDF File	17	@	Dickson-Glen Raven SWC-M392-SE39.xml	1	0.3	0.888	0.838	0.0232		0.056	0.054	0.074	0.092	0.056	0.05	0.070	0.087
10027	SWC M654	BSDF File	17	@	Dickson-Glen Raven SWC-M654-SE54.xml	1	0.3	0.853	0.848	0.0464		0.149	0.159	0.5	0.489	0.179	0.19	0.471	0.463
10028	SWN M654	BSDF File	17	@	Dickson-Glen Raven SWN-M654-SE55.xml	1	0.3	0.722	0.718	0.2021		0.200	0.196	0.463	0.451	0.221	0.22	0.422	0.41
10030	FF 12003-0001	BSDF File	17	@	FF 12003-0001.xml	1	0.15	0.588	0.614	0.108		0.081	0.081	0.794	0.736	0.116	0.12	0.762	0.739

Glen Raven

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10031	FF 12003-0002	BSDF File	17	@	FF 12003-0002.xml	1	0.15	0.628	0.649	0.079		0.042	0.042	0.702	0.554	0.057	0.06	0.655	0.535
10032	FF 12003-0003	BSDF File	17	@	FF 12003-0003.xml	1	0.15	0.608	0.634	0.103		0.033	0.033	0.334	0.412	0.04	0.04	0.322	0.416
10033	FF 12003-0004	BSDF File	17	@	FF 12003-0004.xml	1	0.15	0.607	0.615	0.091		0.021	0.021	0.28	0.274	0.023	0.02	0.272	0.273
10034	FF 12004-0001	BSDF File	17	@	FF 12004-0001.xml	1	0.15	0.595	0.59	0.119		0.130	0.130	0.767	0.720	0.162	0.16	0.731	0.713
10035	FF 12004-0002	BSDF File	17	@	FF 12004-0002.xml	1	0.15	0.653	0.637	0.087		0.076	0.076	0.69	0.564	0.091	0.09	0.644	0.541
10036	FF 12004-0003	BSDF File	17	@	FF 12004-0003.xml	1	0.15	0.599	0.606	0.123		0.056	0.056	0.316	0.374	0.063	0.06	0.306	0.381
10037	FF 12004-0004	BSDF File	17	@	FF 12004-0004.xml	1	0.15	0.621	0.601	0.109		0.046	0.046	0.278	0.273	0.050	0.05	0.269	0.27
10038	FF 12005-0001	BSDF File	17	@	FF 12005-0001.xml	1	0.15	0.596	0.62	0.133		0.152	0.152	0.753	0.700	0.183	0.18	0.717	0.695
10039	FF 12005-0002	BSDF File	17	@	FF 12005-0002.xml	1	0.15	0.629	0.651	0.107		0.112	0.112	0.682	0.559	0.128	0.13	0.637	0.534
10040	FF 12005-0003	BSDF File	17	@	FF 12005-0003.xml	1	0.15	0.592	0.611	0.148		0.099	0.099	0.299	0.371	0.105	0.10	0.29	0.373
10041	FF 12005-0004	BSDF File	17	@	FF 12005-0004.xml	1	0.15	0.625	0.6	0.127		0.071	0.071	0.267	0.284	0.074	0.07	0.257	0.283
10042	FF 12006-0001	BSDF File	17	@	FF 12006-0001.xml	1	0.15	0.624	0.587	0.14		0.208	0.208	0.708	0.675	0.236	0.24	0.671	0.657

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
10043	FF 12006-0002	BSDF File	17	@	FF 12006-0002.xml	1	0.15	0.63	0.633	0.147		0.184	0.184	0.682	0.571	0.202	0.20	0.636	0.542
10044	FF 12006-0003	BSDF File	17	@	FF 12006-0003.xml	1	0.15	0.634	0.625	0.157		0.149	0.149	0.277	0.335	0.155	0.16	0.268	0.334
10045	FF 12006-0004	BSDF File	17	@	FF 12006-0004.xml	1	0.15	0.658	0.629	0.14		0.114	0.114	0.250	0.257	0.118	0.12	0.242	0.257
10046	FF 4401-0000	BSDF File	17	@	FF 4401-0000.xml	1	0.15	0.773	0.773	0.044		0.112	0.112	0.566	0.566	0.146	0.15	0.538	0.538
10047	FF 4401-0001	BSDF File	17	@	FF 4401-0001.xml	1	0.15	0.77	0.77	0.046		0.055	0.055	0.3	0.3	0.063	0.06	0.291	0.291
10048	FF 4401-0002	BSDF File	17	@	FF 4401-0002.xml	1	0.15	0.743	0.743	0.053		0.109	0.109	0.170	0.170	0.133	0.13	0.199	0.199
10049	FF 4401-0003	BSDF File	17	@	FF 4401-0003.xml	1	0.15	0.8	0.8	0.036		0.017	0.017	0.054	0.054	0.02	0.02	0.059	0.059
10050	FF 4401-0004	BSDF File	17	@	FF 4401-0004.xml	1	0.15	0.757	0.757	0.058		0.133	0.133	0.249	0.249	0.158	0.16	0.286	0.286
10051	FF 4401-0005	BSDF File	17	@	FF 4401-0005.xml	1	0.15	0.747	0.747	0.062		0.118	0.118	0.188	0.188	0.138	0.14	0.218	0.218
10052	FF 4401-0006	BSDF File	17	@	FF 4401-0006.xml	1	0.15	0.788	0.788	0.038		0.033	0.033	0.066	0.066	0.051	0.05	0.1	0.1
10053	FF 4401-0007	BSDF File	17	@	FF 4401-0007.xml	1	0.15	0.752	0.752	0.065		0.049	0.049	0.087	0.087	0.086	0.09	0.166	0.166
10054	FF 4600-0000	BSDF File	17	@	FF 4600-0000.xml	1	0.15	0.71	0.71	0.068		0.0003	0.0003	0.104	0.104	0.010	0.01	0.173	0.173

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
10055	FF 4601-0000	BSDF File	17	@	FF 4601-0000.xml	1	0.15	0.648	0.648	0.108		0.0004	0.0004	0.06	0.06	0.086	0.09	0.321	0.321
10056	FF 4602-0000	BSDF File	17	@	FF 4602-0000.xml	1	0.15	0.653	0.653	0.126		0.117	0.117	0.503	0.503	0.195	0.2	0.577	0.577
10057	FF 4603-0000	BSDF File	17	@	FF 4603-0000.xml	1	0.15	0.704	0.704	0.042		0.002	0.002	0.09	0.09	0.133	0.13	0.456	0.456
10058	FF 4604-0000	BSDF File	17	@	FF 4604-0000.xml	1	0.15	0.686	0.686	0.041		0.236	0.236	0.676	0.676	0.246	0.25	0.684	0.684
10059	FF 4605-0000	BSDF File	17	@	FF 4605-0000.xml	1	0.15	0.765	0.765	0.044		5E-05	5E-05	0.051	0.051	0.002	0.002	0.070	0.070
10060	FF 4606-0000	BSDF File	17	@	FF 4606-0000.xml	1	0.15	0.756	0.756	0.043		0.0002	0.0002	0.044	0.044	0.013	0.01	0.120	0.120
10061	FF 4607-0000	BSDF File	17	@	FF 4607-0000.xml	1	0.15	0.742	0.742	0.029		0.003	0.003	0.095	0.095	0.015	0.01	0.123	0.123
10062	FF 4608-0000	BSDF File	17	@	FF 4608-0000.xml	1	0.15	0.776	0.776	0.03		0	0	0.021	0.021	0.0001	0.0001	0.022	0.022
10063	FF 4609-0000	BSDF File	17	@	FF 4609-0000.xml	1	0.15	0.616	0.616	0.134		0.032	0.032	0.249	0.249	0.168	0.17	0.534	0.534
10064	FF 4610-0000	BSDF File	17	@	FF 4610-0000.xml	1	0.15	0.701	0.701	0.045		0.0004	0.0004	0.107	0.107	0.035	0.03	0.258	0.258
10065	FF 4612-0000	BSDF File	17	@	FF 4612-0000.xml	1	0.15	0.747	0.747	0.029		0.019	0.019	0.252	0.252	0.108	0.11	0.418	0.418
10066	FF 4614-0000	BSDF File	17	@	FF 4614-0000.xml	1	0.15	0.746	0.746	0.029		0.0006	0.0006	0.116	0.116	0.004	0.004	0.162	0.162

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
10067	FF 4615-0000	BSDF File	17	@	FF 4615-0000.xml	1	0.15	0.734	0.734	0.059		0.001	0.001	0.123	0.123	0.001	0.001	0.123	0.123
10068	FF 4616-0000	BSDF File	17	@	FF 4616-0000.xml	1	0.15	0.728	0.728	0.043		0.034	0.034	0.252	0.252	0.043	0.04	0.292	0.292
10069	FF 4617-0000	BSDF File	17	@	FF 4617-0000.xml	1	0.15	0.73	0.73	0.053		0.0004	0.0004	0.044	0.044	0.02	0.02	0.132	0.132
10070	FF 4618-0000	BSDF File	17	@	FF 4618-0000.xml	1	0.15	0.764	0.764	0.03		4E-05	4E-05	0.047	0.047	0.0002	0.0002	0.054	0.054
10071	FF 4620-0000	BSDF File	17	@	FF 4620-0000.xml	1	0.15	0.682	0.682	0.074		0.002	0.002	0.179	0.179	0.023	0.02	0.258	0.258
10072	FF 4621-0000	BSDF File	17	@	FF 4621-0000.xml	1	0.15	0.746	0.746	0.053		0	0	0.039	0.039	0.0001	0.0001	0.063	0.063
10073	FF 4622-0000	BSDF File	17	@	FF 4622-0000.xml	1	0.15	0.744	0.744	0.043		7E-05	7E-05	0.084	0.084	0.008	0.008	0.199	0.199
10074	FF 4623-0000	BSDF File	17	@	FF 4623-0000.xml	1	0.15	0.687	0.687	0.067		0.003	0.003	0.165	0.165	0.093	0.09	0.363	0.363
10075	FF 4624-0000	BSDF File	17	@	FF 4624-0000.xml	1	0.15	0.718	0.718	0.042		0.003	0.003	0.153	0.153	0.117	0.12	0.399	0.399
10076	FF 4626-0000	BSDF File	17	@	FF 4626-0000.xml	1	0.15	0.72	0.72	0.069		0	0	0.028	0.028	0.0003	0.0003	0.058	0.058
10077	FF 4628-0000	BSDF File	17	@	FF 4628-0000.xml	1	0.15	0.709	0.709	0.047		0.008	0.008	0.271	0.271	0.120	0.12	0.472	0.472
10078	FF 4630-0000	BSDF File	17	@	FF 4630-0000.xml	1	0.15	0.714	0.714	0.036		0.018	0.018	0.267	0.267	0.141	0.14	0.455	0.455

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10079	FF 4631-0000	BSDF File	17	@	FF 4631-0000.xml	1	0.15	0.748	0.748	0.029		9E-06	9E-06	0.042	0.042	0.094	0.09	0.365	0.365
10080	FF 4632-0000	BSDF File	17	@	FF 4632-0000.xml	1	0.15	0.753	0.753	0.029		0	0	0.034	0.034	0.011	0.01	0.120	0.120
10081	FF 4633-0000	BSDF File	17	@	FF 4633-0000.xml	1	0.15	0.703	0.703	0.052		0.049	0.049	0.391	0.391	0.161	0.16	0.535	0.535
10082	FF 4634-0000	BSDF File	17	@	FF 4634-0000.xml	1	0.15	0.711	0.711	0.052		0.15	0.15	0.765	0.765	0.192	0.19	0.721	0.721
10083	FF 4635-0000	BSDF File	17	@	FF 4635-0000.xml	1	0.15	0.72	0.72	0.042		0.156	0.156	0.55	0.55	0.208	0.21	0.598	0.598
10084	FF 4636-0000	BSDF File	17	@	FF 4636-0000.xml	1	0.15	0.704	0.704	0.046		0.022	0.022	0.277	0.277	0.036	0.04	0.305	0.305
10085	FF 4637-0000	BSDF File	17	@	FF 4637-0000.xml	1	0.15	0.722	0.722	0.042		3E-06	3E-06	0.04	0.04	0.0005	0.0005	0.076	0.076
10086	FF 4640-0000	BSDF File	17	@	FF 4640-0000.xml	1	0.15	0.738	0.738	0.062		0	0	0.030	0.030	0.0002	0.0002	0.065	0.065
10087	FF 4641-0000	BSDF File	17	@	FF 4641-0000.xml	1	0.15	0.739	0.739	0.029		0.0001	0.0001	0.084	0.084	0.099	0.1	0.357	0.357
10088	FF 4642-0000	BSDF File	17	@	FF 4642-0000.xml	1	0.15	0.674	0.674	0.076		0.161	0.161	0.575	0.575	0.214	0.21	0.634	0.634
10089	FF 4643-0000	BSDF File	17	@	FF 4643-0000.xml	1	0.15	0.732	0.732	0.043		0.0008	0.0008	0.089	0.089	0.077	0.08	0.299	0.299
10090	FF 4644-0000	BSDF File	17	@	FF 4644-0000.xml	1	0.15	0.742	0.742	0.029		0.0003	0.0003	0.117	0.117	0.002	0.002	0.155	0.155

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10091	FF 4645-0000	BSDF File	17	@	FF 4645-0000.xml	1	0.15	0.744	0.744	0.029		0.001	0.001	0.106	0.106	0.036	0.04	0.218	0.218
10092	FF 4646-0000	BSDF File	17	@	FF 4646-0000.xml	1	0.15	0.741	0.741	0.029		0	0	0.025	0.025	0.0003	0.0003	0.066	0.066
10093	FF 4648-0000	BSDF File	17	@	FF 4648-0000.xml	1	0.15	0.721	0.721	0.029		0.0007	0.0007	0.143	0.143	0.005	0.005	0.189	0.189
10094	FF 4651-0000	BSDF File	17	@	FF 4651-0000.xml	1	0.15	0.685	0.685	0.069		0.131	0.131	0.532	0.532	0.192	0.19	0.606	0.606
10095	FF 4652-0000	BSDF File	17	@	FF 4652-0000.xml	1	0.15	0.718	0.718	0.042		0.0002	0.0002	0.065	0.065	0.091	0.09	0.331	0.331
10096	FF 4653-0000	BSDF File	17	@	FF 4653-0000.xml	1	0.15	0.694	0.694	0.052		6E-05	6E-05	0.047	0.047	0.027	0.03	0.176	0.176
10097	FF 4654-0000	BSDF File	17	@	FF 4654-0000.xml	1	0.15	0.719	0.719	0.052		0.016	0.016	0.193	0.193	0.045	0.05	0.255	0.255
10098	FF 4655-0000	BSDF File	17	@	FF 4655-0000.xml	1	0.15	0.642	0.642	0.121		0	0	0.032	0.032	0.066	0.07	0.262	0.262
10099	FF 4658-0000	BSDF File	17	@	FF 4658-0000.xml	1	0.15	0.723	0.723	0.029		0.012	0.012	0.254	0.254	0.042	0.04	0.327	0.327
10100	FF 4659-0000	BSDF File	17	@	FF 4659-0000.xml	1	0.15	0.757	0.757	0.029		0.0002	0.0002	0.053	0.053	0.002	0.002	0.072	0.072
10101	FF 4660-0000	BSDF File	17	@	FF 4660-0000.xml	1	0.15	0.698	0.698	0.056		0.087	0.087	0.444	0.444	0.164	0.16	0.549	0.549
10102	FF 4661-0000	BSDF File	17	@	FF 4661-0000.xml	1	0.15	0.734	0.734	0.053		0.004	0.004	0.128	0.128	0.050	0.05	0.271	0.271

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10103	FF 4662-0000	BSDF File	17	@	FF 4662-0000.xml	1	0.15	0.736	0.736	0.029		0.038	0.038	0.327	0.327	0.040	0.04	0.329	0.329
10104	FF 4663-0000	BSDF File	17	@	FF 4663-0000.xml	1	0.15	0.668	0.668	0.066		0.0002	0.0002	0.076	0.076	0.115	0.11	0.384	0.384
10105	FF 4664-0000	BSDF File	17	@	FF 4664-0000.xml	1	0.15	0.72	0.72	0.038		0.087	0.087	0.472	0.472	0.161	0.16	0.567	0.567
10106	FF 4665-0000	BSDF File	17	@	FF 4665-0000.xml	1	0.15	0.717	0.717	0.042		2E-05	2E-05	0.040	0.040	0.098	0.1	0.349	0.349
10107	FF 4666-0000	BSDF File	17	@	FF 4666-0000.xml	1	0.15	0.721	0.721	0.042		0.007	0.007	0.105	0.105	0.123	0.12	0.399	0.399
10108	FF 4667-0000	BSDF File	17	@	FF 4667-0000.xml	1	0.15	0.767	0.767	0.017		3E-06	3E-06	0.054	0.054	0.0005	0.0005	0.099	0.099
10109	FF 4668-0000	BSDF File	17	@	FF 4668-0000.xml	1	0.15	0.722	0.722	0.029		0.006	0.006	0.224	0.224	0.120	0.12	0.438	0.438
10110	FF 4669-0000	BSDF File	17	@	FF 4669-0000.xml	1	0.15	0.722	0.722	0.029		0.015	0.015	0.215	0.215	0.12	0.12	0.431	0.431
10111	FF 4671-0000	BSDF File	17	@	FF 4671-0000.xml	1	0.15	0.731	0.731	0.019		0.0001	0.0001	0.098	0.098	0.001	0.001	0.125	0.125
10112	FF 4672-0000	BSDF File	17	@	FF 4672-0000.xml	1	0.15	0.722	0.722	0.053		0.007	0.007	0.238	0.238	0.038	0.04	0.318	0.318
10113	FF 4673-0000	BSDF File	17	@	FF 4673-0000.xml	1	0.15	0.731	0.731	0.043		0.011	0.011	0.244	0.244	0.124	0.12	0.443	0.443
10114	FF 4674-0000	BSDF File	17	@	FF 4674-0000.xml	1	0.15	0.711	0.711	0.042		0.033	0.033	0.349	0.349	0.151	0.15	0.517	0.517

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10115	FF 4675-0000	BSDF File	17	@	FF 4675-0000.xml	1	0.15	0.715	0.715	0.042		0.005	0.005	0.156	0.156	0.118	0.12	0.415	0.415
10116	FF 4676-0000	BSDF File	17	@	FF 4676-0000.xml	1	0.15	0.707	0.707	0.042		0.0001	0.0001	0.118	0.118	0.003	0.003	0.171	0.171
10117	FF 4677-0000	BSDF File	17	@	FF 4677-0000.xml	1	0.15	0.702	0.702	0.05		0.005	0.005	0.204	0.204	0.117	0.12	0.471	0.471
10118	FF 4678-0000	BSDF File	17	@	FF 4678-0000.xml	1	0.15	0.681	0.681	0.08		2E-05	2E-05	0.033	0.033	0.002	0.002	0.101	0.101
10119	FF 4679-0000	BSDF File	17	@	FF 4679-0000.xml	1	0.15	0.722	0.722	0.029		3E-05	3E-05	0.039	0.039	0.017	0.02	0.199	0.199
10120	FF 4683-0000	BSDF File	17	@	FF 4683-0000.xml	1	0.15	0.713	0.713	0.029		0.133	0.133	0.548	0.548	0.197	0.2	0.614	0.614
10121	FF 4684-0000	BSDF File	17	@	FF 4684-0000.xml	1	0.15	0.777	0.777	0.03		5E-05	5E-05	0.040	0.040	0.0001	0.0001	0.042	0.042
10122	FF 4685-0000	BSDF File	17	@	FF 4685-0000.xml	1	0.15	0.725	0.725	0.029		0.005	0.005	0.257	0.257	0.098	0.1	0.397	0.397
10123	FF 4686-0000	BSDF File	17	@	FF 4686-0000.xml	1	0.15	0.743	0.743	0.029		9E-05	9E-05	0.113	0.113	0.006	0.006	0.202	0.202
10124	FF 4688-0000	BSDF File	17	@	FF 4688-0000.xml	1	0.15	0.728	0.728	0.029		0.004	0.004	0.205	0.205	0.016	0.02	0.251	0.251
10125	FF 4689-0000	BSDF File	17	@	FF 4689-0000.xml	1	0.15	0.729	0.729	0.043		0.002	0.002	0.135	0.135	0.036	0.04	0.296	0.296
10126	FF 4695-0000	BSDF File	17	@	FF 4695-0000.xml	1	0.15	0.711	0.711	0.051		0.026	0.026	0.287	0.287	0.055	0.05	0.350	0.350

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10127	FF 4696-0000	BSDF File	17	@	FF 4696-0000.xml	1	0.15	0.746	0.746	0.019		0.004	0.004	0.160	0.160	0.018	0.02	0.215	0.215
10128	FF 4697-0000	BSDF File	17	@	FF 4697-0000.xml	1	0.15	0.745	0.745	0.037		0.002	0.002	0.111	0.111	0.015	0.02	0.167	0.167
10129	FF 4698-0000	BSDF File	17	@	FF 4698-0000.xml	1	0.15	0.744	0.744	0.019		0.002	0.002	0.097	0.097	0.023	0.02	0.221	0.221
10130	FF 4699-0000	BSDF File	17	@	FF 4699-0000.xml	1	0.15	0.756	0.756	0.029		2E-05	2E-05	0.057	0.057	0.003	0.003	0.131	0.131
10131	FF 4700-0000	BSDF File	17	@	FF 4700-0000.xml	1	0.15	0.719	0.719	0.042		0.0004	0.0004	0.062	0.062	0.027	0.03	0.191	0.191
10132	FF 4701-0000	BSDF File	17	@	FF 4701-0000.xml	1	0.15	0.719	0.719	0.034		0.0002	0.0002	0.098	0.098	0.007	0.007	0.139	0.139
10133	FF 4831-0000	BSDF File	17	@	FF 4831-0000.xml	1	0.15	0.703	0.703	0.052		0.005	0.005	0.13	0.13	0.089	0.09	0.355	0.355
10134	FF 4833-0000	BSDF File	17	@	FF 4833-0000.xml	1	0.15	0.745	0.745	0.037		0.023	0.023	0.287	0.287	0.026	0.03	0.290	0.290
10135	FF 4858-0000	BSDF File	17	@	FF 4858-0000.xml	1	0.15	0.718	0.718	0.044		0.012	0.012	0.235	0.235	0.06	0.06	0.327	0.327
10136	FF 4859-0000	BSDF File	17	@	FF 4859-0000.xml	1	0.15	0.733	0.733	0.037		0.029	0.029	0.285	0.285	0.069	0.07	0.363	0.363
10137	FF 4860-0000	BSDF File	17	@	FF 4860-0000.xml	1	0.15	0.731	0.731	0.064		0.002	0.002	0.154	0.154	0.009	0.009	0.187	0.187
10138	FF 4861-0000	BSDF File	17	@	FF 4861-0000.xml	1	0.15	0.739	0.739	0.032		0.006	0.006	0.183	0.183	0.026	0.03	0.239	0.239

Glen Raven

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
10139	FF 4862-0000	BSDF File	17	@	FF 4862-0000.xml	1	0.15	0.733	0.733	0.043		0.090	0.090	0.456	0.456	0.118	0.12	0.493	0.493
10140	FF 4896-0000	BSDF File	17	@	FF 4896-0000.xml	1	0.15	0.726	0.726	0.036		0.002	0.002	0.155	0.155	0.022	0.02	0.225	0.225
10141	FF 4897-0000	BSDF File	17	@	FF 4897-0000.xml	1	0.15	0.747	0.747	0.037		0.0003	0.0003	0.087	0.087	0.0005	0.0005	0.093	0.093
10142	FF 85000-0000	BSDF File	17	@	FF 85000-0000.xml	1	0.15	0.697	0.697	0.042		0.006	0.006	0.280	0.280	0.024	0.02	0.349	0.349
10143	FF 85001-0000	BSDF File	17	@	FF 85001-0000.xml	1	0.15	0.698	0.698	0.042		0.0004	0.0004	0.103	0.103	0.0006	0.0006	0.114	0.114
10144	FF 85002-0000	BSDF File	17	@	FF 85002-0000.xml	1	0.15	0.734	0.734	0.053		0	0	0.03	0.03	0.0001	0.0001	0.033	0.033
10145	FF 85003-0000	BSDF File	17	@	FF 85003-0000.xml	1	0.15	0.706	0.706	0.029		0.0005	0.0005	0.166	0.166	0.003	0.003	0.209	0.209
10146	FF 85004-0000	BSDF File	17	@	FF 85004-0000.xml	1	0.15	0.674	0.674	0.051		0.0002	0.0002	0.082	0.082	0.014	0.01	0.252	0.252

Goodearl and Bailey

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
3500	Dickson Orchestra #0681 Dune	BSDF File	10	@	Goodearl and Bailey-Dickson Orchestra 0681 Dune-oz03.xml	1	0.14	0.755	0.755	0.0436	0.0002	0.069	0.069	0.398	0.398	0.126	0.13	0.474	0.474

Helioscreen

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
7500	Platinum Charcoal	BSDF File	10	@	Helioscreen-Platinum Charcoal-oz02.xml	1	0.14	0.53	0.884	0.0545	0.0248	0.038	0.038	0.354	0.354	0.113	0.10	0.413	0.283

Helioscreen

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
7501	Platinum Iron	BSDF File	10	@	Helioscreen-Platinum Iron-oz01.xml	1	0.14	0.605	0.923	0.0137	0.0226	0.110	0.106	0.431	0.431	0.14	0.13	0.451	0.396

Inflector Window Insulators

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
12000	In'Flector Radiant Barrier Window Insulator	BSDF File	12	@	SA99_Inflector-CGDB12000.xml	0	0.15	0.71	0.59	0.17		0.253	0.255	0.079	0.079	0.254	0.25	0.078	0.512
12001	Solar Selective Window Insulator	BSDF File	12	@	2011-SB13.XML	1	0.15	0.718	0.718	0.2027	0.2059	0.172	0.172	39.71	39.71	0.254	0.25	0.061	0.061
12002	In'Flector Radiant Barrier Window Insulator (flipped)	BSDF File	12	@	SA99Flip_LowEOut_Inflector-CGDB12002.xml	0	0.15	0.59	0.71	0.17		0.255	0.253	0.508	0.508	0.253	0.25	0.512	0.078

Intigral

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
24039	Intigral_SL_Vanity_COO_White_Pleated_Shade_14mm	Cellular Shade	14	#	Intigral_SL_Vanity_C000_White_Pleated_Shade_14mm.thmx	0		0.902	0.902	0.0199		0.516	0.516	0.462	0.462	0.514	0.51	0.445	0.445
24040	Intigral_SL_Vanity_COO_White_Pleated_Shade_20mm	Cellular Shade	14	#	Intigral_SL_Vanity_C000_White_Pleated_Shade_20mm.thmx	0		0.89	0.89	0.0231		0.528	0.528	0.457	0.457	0.528	0.53	0.440	0.440

Levolor

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
11000	Origami	BSDF File	10	@	2014-SC42.XML	0	0.15	0.690	0.690	0.1018	0.0055	0.033	0.033	0.305	0.305	0.102	0.10	0.427	0.427

Levolor

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
23000	Accordia Classic LF Toffee	Cellular Shade	10	@	Levolor_19570216.thmx	22		0.833	0.845	0.0193	0.035	0.200	0.2	0.506	0.197	0.237	0.24	0.494	0.25
23001	Accordia LF Cream	Cellular Shade	10	@	Levolor_19170202.thmx	24		0.792	0.865	0.015	0.0098	0.268	0.269	0.596	0.547	0.265	0.27	0.577	0.54
23002	Accordia Designer Colors LF Snow	Cellular Shade	10	@	Levolor_19470199.thmx	20		0.806	0.806	0.0083	0	0.225	0.225	0.659	0.66	0.218	0.22	0.632	0.632
23003	Accordia Designer Colors LF Snow	Cellular Shade	10	@	Levolor_12470199.thmx	24		0.79	0.79	0.0003	0	0.06	0.06	0.68	0.679	0.057	0.06	0.653	0.651
23004	Classic RD snow	Cellular Shade	10	@	Levolor_19070199.thmx	26		0.848	0.848	1E-05	0	0	0	0.702	0.702	0	0	0.698	0.697
23005	Mosaic RD Snow	Cellular Shade	10	@	Levolor_53970199.thmx	33		0.793	0.793	0.0012	0	6E-06	1E-05	0.705	0.705	2E-05	1E-05	0.697	0.697

Living Shade

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
2000	Twilight 279-A10 Light Grey	BSDF File	10	@	Living Shade-Twilight 279-A10 Light Grey-oz12.xml	1	0.14	0.430	0.818	0.0821	0.0814	0.166	0.170	0.493	0.493	0.164	0.17	0.507	0.378

MechoShade

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
15000	EuroTwill Reversible Twill Weave Shadecloth 3%,6220 black/white	BSDF File	10	@	2011-SA59.XML	1	0.15	0.827	0.827	0.0875	0.0631	0.093	0.09	0.382	0.626	0.106	0.10	0.32	0.534

MechoShade

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
15001	EuroTwill Reversible Twill Weave Shadecloth 3%,6020 white/black	BSDF File	10	@	2011-SA60.XML	1	0.15	0.828	0.828	0.1001	0.0528	0.083	0.08	0.377	0.636	0.096	0.09	0.318	0.548

Mermet

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
47000	E Screen 1% Charcoal-Grey	BSDF File	17	@	E Screen 1% Charcoal-Grey.xml	1	0.15	0.823	0.823	0.065		0.018	0.018	0.090	0.090	0.021	0.02	0.096	0.096
47001	E Screen 1% White-White	BSDF File	17	@	E Screen 1% White-White.xml	1	0.15	0.79	0.79	0.083		0.132	0.132	0.839	0.839	0.147	0.15	0.748	0.748
47002	E Screen 1% White-Linen	BSDF File	17	@	E Screen 1% White-Linen.xml	1	0.15	0.785	0.785	0.083		0.119	0.119	0.627	0.627	0.146	0.15	0.567	0.567
47003	E Screen 1% White-Pearl	BSDF File	17	@	E Screen 1% White-Pearl.xml	1	0.15	0.8	0.8	0.09		0.069	0.069	0.402	0.402	0.089	0.09	0.373	0.373
47004	E Screen 1% Pearl-Linen	BSDF File	17	@	E Screen 1% Pearl-Linen.xml	1	0.15	0.769	0.769	0.086		0.043	0.043	0.348	0.348	0.071	0.07	0.321	0.321
47005	E Screen 1% Pearl-Pearl	BSDF File	17	@	E Screen 1% Pearl-Pearl.xml	1	0.15	0.789	0.789	0.101		0.020	0.020	0.282	0.282	0.037	0.04	0.284	0.284
47006	E Screen 1% Pearl-Grey	BSDF File	17	@	E Screen 1% Pearl-Grey.xml	1	0.15	0.784	0.784	0.076		0.027	0.027	0.111	0.111	0.05	0.05	0.109	0.109
47007	E Screen 1% Charcoal-GreyStone	BSDF File	17	@	E Screen 1% Charcoal-GreyStone.xml	1	0.15	0.797	0.797	0.083		0.020	0.020	0.046	0.046	0.023	0.02	0.047	0.047
47008	E Screen 1% Charcoal-Charcoal	BSDF File	17	@	E Screen 1% Charcoal-Charcoal.xml	1	0.15	0.795	0.795	0.096		0.017	0.017	0.057	0.057	0.017	0.02	0.057	0.057

Mermet

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47009	E Screen 1% Charcoal-Cocoa	BSDF File	17	@	E Screen 1% Charcoal-Cocoa.xml	1	0.15	0.75	0.75	0.143		0.01	0.01	0.052	0.052	0.011	0.01	0.052	0.052
47010	E Screen 1% Charcoal-Apricot	BSDF File	17	@	E Screen 1% Charcoal-Apricot.xml	1	0.15	0.801	0.801	0.086		0.015	0.015	0.143	0.143	0.019	0.02	0.140	0.140
47017	E Screen 3% Charcoal-Grey	BSDF File	17	@	E Screen 3% Charcoal-Grey.xml	0	0.15	0.772	0.772	0.107		0.044	0.044	0.101	0.101	0.049	0.05	0.107	0.107
47018	E Screen 3% White-White	BSDF File	17	@	E Screen 3% White-White.xml	0	0.15	0.76	0.76	0.103		0.160	0.160	0.812	0.812	0.176	0.18	0.725	0.725
47019	E Screen 3% White-Linen	BSDF File	17	@	E Screen 3% White-Linen.xml	0	0.15	0.746	0.746	0.124		0.151	0.151	0.678	0.678	0.181	0.18	0.619	0.619
47020	E Screen 3% White-Pearl	BSDF File	17	@	E Screen 3% White-Pearl.xml	0	0.15	0.81	0.81	0.079		0.081	0.081	0.56	0.56	0.103	0.10	0.503	0.503
47021	E Screen 3% Pearl-Linen	BSDF File	17	@	E Screen 3% Pearl-Linen.xml	0	0.15	0.784	0.784	0.101		0.087	0.087	0.406	0.406	0.117	0.12	0.373	0.373
47022	E Screen 3% Pearl-Pearl	BSDF File	17	@	E Screen 3% Pearl-Pearl.xml	0	0.15	0.768	0.768	0.1		0.062	0.062	0.331	0.331	0.081	0.08	0.303	0.303
47023	E Screen 3% Pearl-Grey	BSDF File	17	@	E Screen 3% Pearl-Grey.xml	0	0.15	0.774	0.774	0.114		0.058	0.058	0.266	0.266	0.083	0.08	0.270	0.270
47024	E Screen 3% Charcoal-GreyStone	BSDF File	17	@	E Screen 3% Charcoal-GreyStone.xml	0	0.15	0.822	0.822	0.075		0.053	0.053	0.135	0.135	0.059	0.06	0.128	0.128
47025	E Screen 3% Charcoal-Charcoal	BSDF File	17	@	E Screen 3% Charcoal-Charcoal.xml	0	0.15	0.78	0.78	0.109		0.050	0.050	0.040	0.040	0.051	0.05	0.039	0.039
47026	E Screen 3% Charcoal-Cocoa	BSDF File	17	@	E Screen 3% Charcoal-Cocoa.xml	0	0.15	0.791	0.791	0.093		0.045	0.045	0.057	0.057	0.046	0.05	0.057	0.057

Mermet

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47027	E Screen 3% Charcoal-Apricot	BSDF File	17	@	E Screen 3% Charcoal-Apricot.xml	0	0.15	0.823	0.823	0.059		0.056	0.056	0.178	0.178	0.063	0.06	0.174	0.174
47034	E Screen 5% Charcoal-Grey	BSDF File	17	@	E Screen 5% Charcoal-Grey.xml	0	0.15	0.744	0.744	0.138		0.077	0.077	0.089	0.089	0.082	0.08	0.096	0.096
47035	E Screen 5% White-White	BSDF File	17	@	E Screen 5% White-White.xml	0	0.15	0.777	0.777	0.102		0.195	0.195	0.775	0.775	0.211	0.21	0.693	0.693
47036	E Screen 5% White-Linen	BSDF File	17	@	E Screen 5% White-Linen.xml	0	0.15	0.774	0.774	0.096		0.176	0.176	0.678	0.678	0.206	0.21	0.614	0.614
47037	E Screen 5% White-Pearl	BSDF File	17	@	E Screen 5% White-Pearl.xml	0	0.15	0.715	0.715	0.132		0.131	0.131	0.581	0.581	0.154	0.15	0.524	0.524
47038	E Screen 5% Pearl-Linen	BSDF File	17	@	E Screen 5% Pearl-Linen.xml	0	0.15	0.761	0.761	0.125		0.106	0.106	0.39	0.39	0.135	0.14	0.358	0.358
47039	E Screen 5% Pearl-Pearl	BSDF File	17	@	E Screen 5% Pearl-Pearl.xml	0	0.15	0.729	0.729	0.162		0.103	0.103	0.324	0.324	0.125	0.13	0.297	0.297
47040	E Screen 5% Pearl-Grey	BSDF File	17	@	E Screen 5% Pearl-Grey.xml	0	0.15	0.749	0.749	0.132		0.092	0.092	0.26	0.26	0.117	0.12	0.259	0.259
47041	E Screen 5% Charcoal-GreyStone	BSDF File	17	@	E Screen 5% Charcoal-GreyStone.xml	0	0.15	0.776	0.776	0.112		0.084	0.084	0.118	0.118	0.090	0.09	0.112	0.112
47042	E Screen 5% Charcoal-Charcoal	BSDF File	17	@	E Screen 5% Charcoal-Charcoal.xml	0	0.15	0.824	0.824	0.056		0.066	0.066	0.043	0.043	0.067	0.07	0.041	0.041
47043	E Screen 5% Charcoal-Cocoa	BSDF File	17	@	E Screen 5% Charcoal-Cocoa.xml	0	0.15	0.774	0.774	0.117		0.066	0.066	0.052	0.052	0.067	0.07	0.052	0.052
47044	E Screen 5% Charcoal-Apricot	BSDF File	17	@	E Screen 5% Charcoal-Apricot.xml	0	0.15	0.767	0.767	0.132		0.081	0.081	0.154	0.154	0.087	0.09	0.151	0.151

Mermet

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47051	E Screen 10% Charcoal-Grey	BSDF File	17	@	E Screen 10% Charcoal-Grey.xml	1	0.15	0.784	0.784	0.099		0.121	0.121	0.08	0.08	0.126	0.13	0.088	0.088
47052	E Screen 10% White-White	BSDF File	17	@	E Screen 10% White-White.xml	1	0.15	0.692	0.692	0.169		0.246	0.246	0.73	0.73	0.26	0.26	0.657	0.657
47053	E Screen 10% White-Linen	BSDF File	17	@	E Screen 10% White-Linen.xml	1	0.15	0.755	0.755	0.128		0.225	0.225	0.650	0.650	0.249	0.25	0.592	0.592
47054	E Screen 10% White-Pearl	BSDF File	17	@	E Screen 10% White-Pearl.xml	1	0.15	0.733	0.733	0.147		0.186	0.186	0.553	0.553	0.208	0.21	0.504	0.504
47055	E Screen 10% Pearl-Linen	BSDF File	17	@	E Screen 10% Pearl-Linen.xml	1	0.15	0.744	0.744	0.14		0.144	0.144	0.368	0.368	0.171	0.17	0.34	0.34
47056	E Screen 10% Pearl-Pearl	BSDF File	17	@	E Screen 10% Pearl-Pearl.xml	1	0.15	0.728	0.728	0.154		0.149	0.149	0.298	0.298	0.170	0.17	0.281	0.281
47057	E Screen 10% Pearl-Grey	BSDF File	17	@	E Screen 10% Pearl-Grey.xml	1	0.15	0.764	0.764	0.11		0.140	0.140	0.253	0.253	0.163	0.16	0.252	0.252
47058	E Screen 10% Charcoal-GreyStone	BSDF File	17	@	E Screen 10% Charcoal-GreyStone.xml	1	0.15	0.765	0.765	0.123		0.129	0.129	0.108	0.108	0.134	0.13	0.105	0.105
47059	E Screen 10% Charcoal-Charcoal	BSDF File	17	@	E Screen 10% Charcoal-Charcoal.xml	1	0.15	0.743	0.743	0.144		0.113	0.113	0.049	0.049	0.114	0.11	0.048	0.048
47060	E Screen 10% Charcoal-Cocoa	BSDF File	17	@	E Screen 10% Charcoal-Cocoa.xml	1	0.15	0.763	0.763	0.151		0.115	0.115	0.049	0.049	0.116	0.12	0.048	0.048
47061	E Screen 10% Charcoal-Apricot	BSDF File	17	@	E Screen 10% Charcoal-Apricot.xml	1	0.15	0.761	0.761	0.13		0.142	0.142	0.146	0.146	0.151	0.15	0.146	0.146
47074	Natte 5% Charcoal-Cocoa	BSDF File	17	@	Natte 5% Charcoal-Cocoa.xml	1	0.15	0.73	0.73	0.153		0.062	0.062	0.061	0.061	0.063	0.06	0.061	0.061

Mermet

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47075	Natte 5% Charcoal-Charcoal	BSDF File	17	@	Natte 5% Charcoal-Charcoal.xml	1	0.15	0.765	0.765	0.11		0.071	0.071	0.043	0.043	0.071	0.07	0.042	0.042
47088	Natte 10% Charcoal-Cocoa	BSDF File	17	@	Natte 10% Charcoal-Cocoa.xml	1	0.15	0.74	0.74	0.149		0.101	0.101	0.054	0.054	0.102	0.10	0.054	0.054
47089	Natte 10% Charcoal-Charcoal	BSDF File	17	@	Natte 10% Charcoal-Charcoal.xml	1	0.15	0.738	0.738	0.148		0.106	0.106	0.04	0.04	0.106	0.11	0.039	0.039
47096	M Screen 1% Charcoal-Apricot	BSDF File	17	@	M Screen 1% Charcoal-Apricot.xml	1	0.15	0.725	0.725	0.161		0.026	0.026	0.109	0.109	0.031	0.03	0.106	0.106
47097	M Screen 1% White-White	BSDF File	17	@	M Screen 1% White-White.xml	1	0.15	0.757	0.757	0.099		0.141	0.141	0.826	0.826	0.157	0.16	0.735	0.735
47098	M Screen 1% White-Pearl	BSDF File	17	@	M Screen 1% White-Pearl.xml	1	0.15	0.793	0.793	0.071		0.071	0.071	0.639	0.639	0.090	0.09	0.578	0.578
47099	M Screen 1% Pearl-Linen	BSDF File	17	@	M Screen 1% Pearl-Linen.xml	1	0.15	0.777	0.777	0.104		0.053	0.053	0.376	0.376	0.081	0.08	0.35	0.35
47100	M Screen 1% Pearl-Pearl	BSDF File	17	@	M Screen 1% Pearl-Pearl.xml	1	0.15	0.782	0.782	0.089		0.033	0.033	0.336	0.336	0.053	0.05	0.311	0.311
47101	M Screen 1% Charcoal-Grey	BSDF File	17	@	M Screen 1% Charcoal-Grey.xml	1	0.15	0.786	0.786	0.099		0.018	0.018	0.068	0.068	0.022	0.02	0.072	0.072
47102	M Screen 1% Charcoal-Charcoal	BSDF File	17	@	M Screen 1% Charcoal-Charcoal.xml	1	0.15	0.807	0.807	0.058		0.018	0.018	0.039	0.039	0.018	0.02	0.039	0.039
47103	M Screen 1% White-Stone	BSDF File	17	@	M Screen 1% White-Stone.xml	1	0.15	0.787	0.787	0.087		0.175	0.175	0.716	0.716	0.19	0.19	0.649	0.649
47104	M Screen 1% White-Linen	BSDF File	17	@	M Screen 1% White-Linen.xml	1	0.15	0.813	0.813	0.055		0.124	0.124	0.721	0.721	0.150	0.15	0.655	0.655

Mermet

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47105	M Screen 1% Linen-Stone	BSDF File	17	@	M Screen 1% Linen-Stone.xml	1	0.15	0.792	0.792	0.091		0.175	0.175	0.527	0.527	0.210	0.21	0.495	0.495
47106	M Screen 1% Linen-SableCocoa	BSDF File	17	@	M Screen 1% Linen-SableCocoa.xml	1	0.15	0.778	0.778	0.106		0.085	0.085	0.415	0.415	0.11	0.11	0.385	0.385
47107	M Screen 1% Charcoal-Sable	BSDF File	17	@	M Screen 1% Charcoal-Sable.xml	1	0.15	0.795	0.795	0.083		0.023	0.023	0.104	0.104	0.027	0.03	0.097	0.097
47108	M Screen 1% Charcoal-Cocoa	BSDF File	17	@	M Screen 1% Charcoal-Cocoa.xml	1	0.15	0.795	0.795	0.096		0.014	0.014	0.053	0.053	0.015	0.02	0.051	0.051
47115	M Screen 3% Charcoal-Apricot	BSDF File	17	@	M Screen 3% Charcoal-Apricot.xml	1	0.15	0.827	0.827	0.068		0.047	0.047	0.146	0.146	0.055	0.06	0.141	0.141
47116	M Screen 3% White-White	BSDF File	17	@	M Screen 3% White-White.xml	1	0.15	0.784	0.784	0.073		0.156	0.156	0.815	0.815	0.171	0.17	0.727	0.727
47117	M Screen 3% White-Pearl	BSDF File	17	@	M Screen 3% White-Pearl.xml	1	0.15	0.771	0.771	0.094		0.067	0.067	0.586	0.586	0.092	0.09	0.537	0.537
47118	M Screen 3% Pearl-Linen	BSDF File	17	@	M Screen 3% Pearl-Linen.xml	1	0.15	0.798	0.798	0.077		0.071	0.071	0.403	0.403	0.103	0.10	0.373	0.373
47119	M Screen 3% Pearl-Pearl	BSDF File	17	@	M Screen 3% Pearl-Pearl.xml	1	0.15	0.767	0.767	0.1		0.060	0.060	0.36	0.36	0.086	0.09	0.335	0.335
47120	M Screen 3% Charcoal-Grey	BSDF File	17	@	M Screen 3% Charcoal-Grey.xml	1	0.15	0.799	0.799	0.094		0.035	0.035	0.084	0.084	0.04	0.04	0.088	0.088
47121	M Screen 3% Charcoal-Charcoal	BSDF File	17	@	M Screen 3% Charcoal-Charcoal.xml	1	0.15	0.804	0.804	0.074		0.04	0.04	0.041	0.041	0.04	0.04	0.041	0.041
47122	M Screen 3% White-Stone	BSDF File	17	@	M Screen 3% White-Stone.xml	1	0.15	0.751	0.751	0.102		0.191	0.191	0.684	0.684	0.208	0.21	0.616	0.616

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47123	M Screen 3% White-Linen	BSDF File	17	@	M Screen 3% White-Linen.xml	1	0.15	0.794	0.794	0.09		0.137	0.137	0.684	0.684	0.166	0.17	0.622	0.622
47124	M Screen 3% Linen-Stone	BSDF File	17	@	M Screen 3% Linen-Stone.xml	1	0.15	0.779	0.779	0.097		0.192	0.192	0.530	0.530	0.227	0.23	0.493	0.493
47125	M Screen 3% Linen-SableCocoa	BSDF File	17	@	M Screen 3% Linen-SableCocoa.xml	1	0.15	0.819	0.819	0.062		0.068	0.068	0.374	0.374	0.092	0.09	0.346	0.346
47126	M Screen 3% Charcoal-Sable	BSDF File	17	@	M Screen 3% Charcoal-Sable.xml	1	0.15	0.792	0.792	0.099		0.04	0.04	0.132	0.132	0.045	0.04	0.125	0.125
47127	M Screen 3% Charcoal-Cocoa	BSDF File	17	@	M Screen 3% Charcoal-Cocoa.xml	1	0.15	0.803	0.803	0.088		0.040	0.040	0.051	0.051	0.041	0.04	0.050	0.050
47134	M Screen 5% Charcoal-Apricot	BSDF File	17	@	M Screen 5% Charcoal-Apricot.xml	1	0.15	0.816	0.816	0.075		0.061	0.061	0.138	0.138	0.069	0.07	0.134	0.134
47135	M Screen 5% White-White	BSDF File	17	@	M Screen 5% White-White.xml	1	0.15	0.782	0.782	0.089		0.177	0.177	0.792	0.792	0.191	0.19	0.708	0.708
47136	M Screen 5% White-Pearl	BSDF File	17	@	M Screen 5% White-Pearl.xml	1	0.15	0.789	0.789	0.093		0.102	0.102	0.582	0.582	0.123	0.12	0.521	0.521
47137	M Screen 5% Pearl-Linen	BSDF File	17	@	M Screen 5% Pearl-Linen.xml	1	0.15	0.826	0.826	0.052		0.086	0.086	0.393	0.393	0.116	0.12	0.364	0.364
47138	M Screen 5% Pearl-Pearl	BSDF File	17	@	M Screen 5% Pearl-Pearl.xml	1	0.15	0.793	0.793	0.095		0.073	0.073	0.326	0.326	0.094	0.09	0.299	0.299
47139	M Screen 5% Charcoal-Grey	BSDF File	17	@	M Screen 5% Charcoal-Grey.xml	1	0.15	0.802	0.802	0.081		0.056	0.056	0.080	0.080	0.061	0.06	0.085	0.085
47140	M Screen 5% Charcoal-Charcoal	BSDF File	17	@	M Screen 5% Charcoal-Charcoal.xml	1	0.15	0.769	0.769	0.065		0.043	0.043	0.044	0.044	0.043	0.04	0.042	0.042

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47141	M Screen 5% White-Stone	BSDF File	17	@	M Screen 5% White-Stone.xml	1	0.15	0.763	0.763	0.121		0.212	0.212	0.677	0.677	0.230	0.23	0.613	0.613
47142	M Screen 5% White-Linen	BSDF File	17	@	M Screen 5% White-Linen.xml	1	0.15	0.792	0.792	0.083		0.148	0.148	0.689	0.689	0.177	0.18	0.625	0.625
47143	M Screen 5% Linen-Stone	BSDF File	17	@	M Screen 5% Linen-Stone.xml	1	0.15	0.802	0.802	0.088		0.208	0.208	0.524	0.524	0.243	0.24	0.486	0.486
47144	M Screen 5% Linen-SableCocoa	BSDF File	17	@	M Screen 5% Linen-SableCocoa.xml	1	0.15	0.799	0.799	0.083		0.102	0.102	0.380	0.380	0.125	0.12	0.351	0.351
47145	M Screen 5% Charcoal-Sable	BSDF File	17	@	M Screen 5% Charcoal-Sable.xml	1	0.15	0.783	0.783	0.111		0.059	0.059	0.127	0.127	0.064	0.06	0.119	0.119
47146	M Screen 5% Charcoal-Cocoa	BSDF File	17	@	M Screen 5% Charcoal-Cocoa.xml	1	0.15	0.794	0.794	0.085		0.042	0.042	0.051	0.051	0.043	0.04	0.051	0.051
47153	M Screen Deco 3% Flagstone	BSDF File	17	@	M Screen Deco 3% Flagstone.xml	1	0.15	0.806	0.806	0.072		0.053	0.053	0.212	0.212	0.065	0.06	0.209	0.209
47154	M Screen Deco 3% River Rock	BSDF File	17	@	M Screen Deco 3% River Rock.xml	1	0.15	0.769	0.769	0.101		0.053	0.053	0.348	0.348	0.067	0.07	0.318	0.318
47155	M Screen Deco 3% Hazelnut	BSDF File	17	@	M Screen Deco 3% Hazelnut.xml	1	0.15	0.784	0.784	0.099		0.042	0.042	0.125	0.125	0.05	0.05	0.132	0.132
47156	M Screen Deco 3% Parchment	BSDF File	17	@	M Screen Deco 3% Parchment.xml	1	0.15	0.788	0.788	0.083		0.117	0.117	0.727	0.727	0.144	0.14	0.659	0.659
47157	M Screen Deco 3% Tumbleweed	BSDF File	17	@	M Screen Deco 3% Tumbleweed.xml	1	0.15	0.805	0.805	0.074		0.048	0.048	0.315	0.315	0.068	0.07	0.306	0.306
47158	M Screen Deco 3% Naturelle	BSDF File	17	@	M Screen Deco 3% Naturelle.xml	1	0.15	0.779	0.779	0.1		0.086	0.086	0.556	0.556	0.130	0.13	0.534	0.534

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47159	M Screen Deco 3% Harvest	BSDF File	17	@	M Screen Deco 3% Harvest.xml	1	0.15	0.792	0.792	0.076		0.045	0.045	0.153	0.153	0.055	0.05	0.162	0.162
47166	M Screen Deco 5% Flagstone	BSDF File	17	@	M Screen Deco 5% Flagstone.xml	1	0.15	0.794	0.794	0.072		0.066	0.066	0.203	0.203	0.079	0.08	0.2	0.2
47167	M Screen Deco 5% River Rock	BSDF File	17	@	M Screen Deco 5% River Rock.xml	1	0.15	0.786	0.786	0.087		0.086	0.086	0.361	0.361	0.099	0.1	0.326	0.326
47168	M Screen Deco 5% Hazelnut	BSDF File	17	@	M Screen Deco 5% Hazelnut.xml	1	0.15	0.809	0.809	0.07		0.055	0.055	0.136	0.136	0.063	0.06	0.145	0.145
47169	M Screen Deco 5% Parchment	BSDF File	17	@	M Screen Deco 5% Parchment.xml	1	0.15	0.785	0.785	0.089		0.144	0.144	0.701	0.701	0.171	0.17	0.636	0.636
47170	M Screen Deco 5% Tumbleweed	BSDF File	17	@	M Screen Deco 5% Tumbleweed.xml	1	0.15	0.767	0.767	0.121		0.083	0.083	0.297	0.297	0.101	0.10	0.289	0.289
47171	M Screen Deco 5% Naturelle	BSDF File	17	@	M Screen Deco 5% Naturelle.xml	1	0.15	0.806	0.806	0.064		0.112	0.112	0.543	0.543	0.149	0.15	0.508	0.508
47172	M Screen Deco 5% Harvest	BSDF File	17	@	M Screen Deco 5% Harvest.xml	1	0.15	0.795	0.795	0.081		0.067	0.067	0.169	0.169	0.080	0.08	0.179	0.179
47245	T Screen Naturals 1% Pebble	BSDF File	17	@	T Screen Naturals 1% Pebble.xml	1	0.15	0.793	0.778	0.07		0.059	0.068	0.728	0.428	0.075	0.08	0.653	0.403
47246	T Screen Naturals 1% Sand	BSDF File	17	@	T Screen Naturals 1% Sand.xml	1	0.15	0.772	0.786	0.083		0.125	0.135	0.771	0.632	0.145	0.15	0.691	0.590
47247	T Screen Naturals 1% Beach	BSDF File	17	@	T Screen Naturals 1% Beach.xml	1	0.15	0.763	0.801	0.077		0.144	0.149	0.848	0.838	0.151	0.16	0.759	0.749
47248	T Screen Naturals 1% Dune	BSDF File	17	@	T Screen Naturals 1% Dune.xml	1	0.15	0.773	0.776	0.083		0.08	0.089	0.723	0.450	0.101	0.11	0.656	0.447

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47249	T Screen Naturals 1% Horizon	BSDF File	17	@	T Screen Naturals 1% Horizon.xml	1	0.15	0.781	0.794	0.079		0.047	0.053	0.704	0.319	0.06	0.07	0.629	0.305
47256	T Screen Naturals 3% Pebble	BSDF File	17	@	T Screen Naturals 3% Pebble.xml	1	0.15	0.773	0.738	0.097		0.088	0.102	0.712	0.442	0.102	0.12	0.634	0.405
47257	T Screen Naturals 3% Sand	BSDF File	17	@	T Screen Naturals 3% Sand.xml	1	0.15	0.749	0.781	0.102		0.135	0.143	0.753	0.618	0.163	0.17	0.676	0.587
47258	T Screen Naturals 3% Beach	BSDF File	17	@	T Screen Naturals 3% Beach.xml	1	0.15	0.772	0.761	0.093		0.169	0.175	0.813	0.804	0.176	0.18	0.724	0.715
47259	T Screen Naturals 3% Dune	BSDF File	17	@	T Screen Naturals 3% Dune.xml	1	0.15	0.766	0.756	0.109		0.104	0.117	0.699	0.448	0.135	0.15	0.633	0.451
47260	T Screen Naturals 3% Horizon	BSDF File	17	@	T Screen Naturals 3% Horizon.xml	1	0.15	0.778	0.754	0.095		0.078	0.089	0.678	0.344	0.091	0.10	0.604	0.323
47267	T Screen Naturals 5% Pebble	BSDF File	17	@	T Screen Naturals 5% Pebble.xml	1	0.15	0.755	0.773	0.099		0.108	0.113	0.638	0.403	0.123	0.13	0.571	0.372
47268	T Screen Naturals 5% Sand	BSDF File	17	@	T Screen Naturals 5% Sand.xml	1	0.15	0.702	0.774	0.117		0.183	0.187	0.692	0.571	0.211	0.21	0.629	0.546
47269	T Screen Naturals 5% Beach	BSDF File	17	@	T Screen Naturals 5% Beach.xml	1	0.15	0.709	0.743	0.119		0.226	0.230	0.763	0.753	0.232	0.24	0.681	0.67
47270	T Screen Naturals 5% Dune	BSDF File	17	@	T Screen Naturals 5% Dune.xml	1	0.15	0.723	0.755	0.117		0.149	0.156	0.620	0.402	0.18	0.19	0.574	0.413
47271	T Screen Naturals 5% Horizon	BSDF File	17	@	T Screen Naturals 5% Horizon.xml	1	0.15	0.764	0.707	0.112		0.113	0.12	0.583	0.296	0.127	0.13	0.525	0.283
47357	S Screen 4% Granite	BSDF File	17	@	S Screen 4% Granite.xml	1	0.15	0.788	0.788	0.064		0.073	0.073	0.322	0.322	0.084	0.08	0.305	0.305

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
47358	S Screen 4% Marble	BSDF File	17	@	S Screen 4% Marble.xml	1	0.15	0.675	0.675	0.144		0.093	0.093	0.550	0.550	0.1	0.1	0.492	0.492
47359	S Screen 4% Porcelain	BSDF File	17	@	S Screen 4% Porcelain.xml	1	0.15	0.82	0.82	0.008		0.105	0.105	0.633	0.633	0.119	0.12	0.578	0.578
47360	S Screen 4% Jute	BSDF File	17	@	S Screen 4% Jute.xml	1	0.15	0.718	0.718	0.114		0.094	0.094	0.439	0.439	0.112	0.11	0.409	0.409
47361	S Screen 4% Cork	BSDF File	17	@	S Screen 4% Cork.xml	1	0.15	0.788	0.788	0.066		0.081	0.081	0.346	0.346	0.096	0.1	0.336	0.336
47362	S Screen 4% Papyrus	BSDF File	17	@	S Screen 4% Papyrus.xml	1	0.15	0.782	0.782	0.066		0.081	0.081	0.369	0.369	0.101	0.10	0.366	0.366
47363	S Screen 4% Sesame	BSDF File	17	@	S Screen 4% Sesame.xml	1	0.15	0.718	0.718	0.113		0.062	0.062	0.17	0.17	0.066	0.07	0.163	0.163
47364	S Screen 4% Ginger	BSDF File	17	@	S Screen 4% Ginger.xml	1	0.15	0.75	0.75	0.105		0.08	0.08	0.283	0.283	0.092	0.09	0.274	0.274
47365	S Screen 4% Nougat	BSDF File	17	@	S Screen 4% Nougat.xml	1	0.15	0.762	0.762	0.086		0.07	0.07	0.349	0.349	0.087	0.09	0.348	0.348
47366	S Screen 4% Coffee Bean	BSDF File	17	@	S Screen 4% Coffee Bean.xml	1	0.15	0.731	0.731	0.099		0.052	0.052	0.132	0.132	0.055	0.06	0.123	0.123
47367	S Screen 4% Peppercorn	BSDF File	17	@	S Screen 4% Peppercorn.xml	1	0.15	0.706	0.706	0.124		0.055	0.055	0.310	0.310	0.064	0.06	0.290	0.290
47368	S Screen 4% Seasalt	BSDF File	17	@	S Screen 4% Seasalt.xml	1	0.15	0.722	0.722	0.098		0.082	0.082	0.569	0.569	0.108	0.11	0.56	0.56

Nolan.UDA

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
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Nolan.UDA

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
2500	Horizon 90 Mesh, Grey/Grey	BSDF File	10	@	Nolan_UDA-Horizon 90 Mesh Grey-Grey-oz24.xml	1	0.14	0.753	0.753	0.1731	5E-05	0.221	0.221	0.262	0.262	0.241	0.24	0.259	0.259

Nysan

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
6000	Hexcel Screen2 (S2) 3%, White Pearl	BSDF File	10	@	2011-SA9.XML	1	0.15	0.792	0.792	0.1140	0.0351	0.153	0.168	0.618	0.441	0.185	0.2	0.569	0.436
6001	GreenScreen Eco 3%, Pewter Platinum	BSDF File	10	@	2011-SA2.XML	1	0.15	0.873	0.564	0.0625	0.0126	0.040	0.040	0.113	0.113	0.095	0.09	0.32	0.32
6002	GreenScreen Eco 3%, Charcoal Bronze	BSDF File	10	@	2011-SA4.XML	1	0.15	0.82	0.82	0.0935	0.0266	0.087	0.087	0.146	0.146	0.333	0.33	0.291	0.291
6003	GreenScreen Eco Dual Tone 3%, Pewter Pearl	BSDF File	10	@	2011-SA3.XML	1	0.15	0.837	0.558	0.0643	0.0578	0.154	0.154	0.401	0.401	0.328	0.33	0.329	0.329
6004	GreenScreen Eco 1%, Pearl	BSDF File	10	@	2011-SA11.XML	1	0.15	0.838	0.838	0.0812	0.0175	0.238	0.238	0.321	0.321	0.379	0.38	0.421	0.421
6005	GreenScreen Eco 1%, Pewter	BSDF File	10	@	2011-SA12.XML	1	0.15	0.848	0.848	0.0662	0.0145	0.095	0.089	0.106	0.117	0.329	0.33	0.328	0.332
6006	Satine 5500 5%, White Pearl	BSDF File	10	@	2011-SA1.XML	1	0.15	0.796	0.796	0.1092	0.0499	0.096	0.094	0.482	0.56	0.118	0.12	0.465	0.526
6007	Satine 5500 5%, Dark Grey White	BSDF File	10	@	2011-SA5.XML	1	0.15	0.834	0.834	0.0737	0.0439	0.079	0.078	0.317	0.433	0.109	0.11	0.327	0.415
6008	SuperScreen (300) 3%, White Pearl	BSDF File	10	@	2011-SA7.XML	1	0.15	0.856	0.856	0.0573	0.0224	0.136	0.136	0.612	0.612	0.168	0.17	0.547	0.547
6009	SuperScreen 3%, Pewter	BSDF File	10	@	2011-SA8.XML	1	0.15	0.868	0.868	0.0468	0.0244	0.045	0.045	0.170	0.170	0.088	0.09	0.208	0.208

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
6010	SuperTwill 3%, Bronze Linen Pewter	BSDF File	10	@	2011-SA10.XML	1	0.15	0.836	0.836	0.0656	0.0292	0.074	0.067	0.220	0.374	0.106	0.1	0.226	0.356
6011	SuperWeave 5%, Pewter	BSDF File	10	@	2011-SA6.XML	1	0.15	0.823	0.823	0.0938	0.0628	0.078	0.078	0.171	0.171	0.115	0.11	0.209	0.209
6012	Serge (Helioscreen) 3% 2165, Grey White	BSDF File	10	@	2011-SA82.XML	1	0.15	0.862	0.854	0.0519	0.0519	0.069	0.067	0.316	0.434	0.095	0.09	0.329	0.420
6013	Serge 2165, Pearl White	BSDF File	10	@	2011-SA81.XML	1	0.15	0.84	0.832	0.0734	0.0734	0.123	0.124	0.498	0.568	0.142	0.14	0.460	0.518
6014	Paradise 11600, White	BSDF File	10	@	2011-SA80.XML	1	0.15	0.882	0.882	0.0472	0.0472	0.312	0.312	0.632	0.632	0.302	0.30	0.601	0.601

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
17000	sheerWeave 2360, P12 Oyster	BSDF File	10	@	2011-SA23.XML	1	0.15	0.778	0.778	0.1364	0.0981	0.255	0.255	0.699	0.699	0.278	0.28	0.622	0.622
17001	sheerWeave 2703, P13 Oyster/Beige	BSDF File	10	@	2011-SA14.XML	1	0.15	0.817	0.817	0.0934	0.0443	0.165	0.154	0.555	0.664	0.186	0.18	0.512	0.597
17002	sheerWeave 4000, V 10 Ebony	BSDF File	10	@	2011-SA13.XML	1	0.15	0.808	0.808	0.0988	0.0663	0.070	0.070	0.035	0.035	0.071	0.07	0.034	0.034
17003	sheerWeave 4100,V07 Pewter	BSDF File	10	@	2011-SA15.XML	1	0.15	0.803	0.803	0.1042	0.0840	0.101	0.101	0.316	0.316	0.108	0.11	0.293	0.293
17004	sheerWeave 5000,Q94 Tweed/Oatmeal	BSDF File	10	@	2011-SA42.XML	1	0.15	0.808	0.808	0.0725	0.0514	0.079	0.079	0.314	0.377	0.113	0.11	0.319	0.419

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
17005	sheerWeave 7300,R29 Hide	BSDF File	10	@	2011-SA16.XML	1	0.15	0.86	0.87	0.0002	9E-06	1E-05	1E-05	0.807	0.17	6E-06	6E-06	0.731	0.446
17006	SunTex 80, Brown	BSDF File	10	@	2011-SA17.XML	1	0.15	0.670	0.670	0.2558	0.2739	0.285	0.285	0.035	0.035	0.285	0.28	0.035	0.035
17007	SunTex 90, Black	BSDF File	10	@	2011-SA84.XML	1	0.15	0.782	0.782	0.1231	0.1231	0.143	0.143	0.034	0.034	0.143	0.14	0.035	0.035
17008	SuperSolar Screening +, Charcoal	BSDF File	10	@	2011-SA83.XML	1	0.15	0.722	0.722	0.1898	0.1898	0.147	0.147	0.047	0.047	0.147	0.15	0.051	0.051
17009	sheerWeave 2390 Performance + Q20 Beige	BSDF File	10	@	2014-SC20.XML	0	0.15	0.162	0.793	0.0465	0.0606	0.08	0.077	0.696	0.541	0.083	0.08	0.705	0.507
17010	sheerWeave 2410 Performance + P13 Oyster/Beige	BSDF File	10	@	2014-SC21.XML	0	0.15	0.203	0.831	5E-05	0.037	0.053	0.053	0.704	0.651	0.055	0.06	0.714	0.601
17011	sheerWeave 2390 Performance + P13 Oyster/Beige	BSDF File	10	@	2014-SC22.XML	0	0.15	0.168	0.804	0.0279	0.0577	0.082	0.080	0.704	0.65	0.084	0.08	0.713	0.594
17012	sheerWeave 2390 Performance + P12 Oyster	BSDF File	10	@	2014-SC23.XML	0	0.15	0.195	0.822	0.0386	0.0570	0.084	0.081	0.687	0.742	0.086	0.08	0.697	0.665
17013	sheerWeave 2390 Performance + Q21 Beige/Pearl Gray	BSDF File	10	@	2014-SC24.XML	0	0.15	0.187	0.824	0.0234	0.0585	0.077	0.072	0.689	0.453	0.08	0.07	0.698	0.423
17014	sheerWeave 2410 Performance + V20 Pearl Gray	BSDF File	10	@	2014-SC25.XML	0	0.15	0.142	0.828	0.0475	0.0342	0.046	0.041	0.714	0.363	0.048	0.04	0.724	0.347

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17015	sheerWeave 2410 Performance + Q20 Beige	BSDF File	10	@	2014-SC26.XML	0	0.15	0.179	0.831	0.023	0.0417	0.059	0.055	0.702	0.556	0.062	0.06	0.712	0.525
17016	sheerWeave 2410 Performance + V21 Charcoal	BSDF File	10	@	2014-SC27.XML	0	0.15	0.171	0.845	0.0226	0.0363	0.044	0.04	0.704	0.045	0.044	0.04	0.713	0.045
17017	sheerWeave 2390 Performance + V22 Charcoal Gray	BSDF File	10	@	2014-SC28.XML	0	0.15	0.176	0.805	0.0446	0.0665	0.077	0.072	0.687	0.101	0.077	0.07	0.696	0.095
17018	sheerWeave 2390 Performance + P14 Oyster/Pearl Gray	BSDF File	10	@	2014-SC29.XML	0	0.15	0.161	0.814	0.0660	0.0598	0.079	0.075	0.693	0.539	0.081	0.08	0.701	0.493
17019	sheerWeave 2390 Performance + V20 Pearl Gray	BSDF File	10	@	2014-SC30.XML	0	0.15	0.156	0.806	0.0218	0.0538	0.068	0.063	0.716	0.356	0.07	0.06	0.726	0.34
17020	sheerWeave 2410 Performance + Q21 Beige/Pearl Gray	BSDF File	10	@	2014-SC31.XML	0	0.15	0.183	0.810	0.0335	0.0590	0.077	0.072	0.689	0.449	0.079	0.07	0.699	0.419
17021	sheerWeave 2410 Performance + P12 Oyster	BSDF File	10	@	2014-SC33.XML	0	0.15	0.21	0.862	0.0002	0.0291	0.049	0.048	0.703	0.779	0.050	0.05	0.712	0.699
17022	sheerWeave 2410 Performance + P14 Oyster/Pearl Gray	BSDF File	10	@	2014-SC34.XML	0	0.15	0.179	0.875	0.023	0.0308	0.041	0.040	0.710	0.533	0.043	0.04	0.720	0.484
17023	sheerWeave 2390 Performance + V21 Charcoal	BSDF File	10	@	2014-SC35.XML	0	0.15	0.177	0.806	0.0482	0.0691	0.083	0.074	0.681	0.044	0.084	0.07	0.691	0.044

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17024	sheerWeave 2410 Performance + V22 Charcoal Gray	BSDF File	10	@	2014-SC36.XML	0	0.15	0.172	0.843	0.0227	0.0368	0.045	0.041	0.697	0.109	0.046	0.04	0.706	0.101
17025	sheerWeave 2390 Performance + V24 CCL/Chestnut	BSDF File	10	@	2014-SC37.XML	0	0.15	0.185	0.784	0.0553	0.0678	0.082	0.073	0.652	0.057	0.083	0.07	0.661	0.067
17026	sheerWeave 2410 Performance + V24 CCL/Chestnut	BSDF File	10	@	2014-SC38.XML	0	0.15	0.181	0.832	0.0006	0.0378	0.047	0.041	0.696	0.058	0.048	0.04	0.708	0.069
17027	Suntex 95 Alpaca	BSDF File	17	@	Suntex_95_Alpaca.xml	1	0.2	0.82	0.82	0.09		0.070	0.071	0.398	0.4	0.096	0.1	0.386	0.388
17028	Suntex 95 Black	BSDF File	17	@	Suntex_95_Black.xml	1	0.2	0.84	0.84	0.08		0.065	0.063	0.034	0.034	0.066	0.06	0.035	0.035
17029	Suntex 95 Carbon	BSDF File	17	@	Suntex_95_Carbon.xml	1	0.2	0.82	0.82	0.09		0.063	0.064	0.105	0.099	0.067	0.07	0.102	0.099
17030	Suntex 95 Chestnut	BSDF File	17	@	Suntex_95_Chestnut.xml	1	0.2	0.81	0.81	0.09		0.088	0.088	0.413	0.416	0.122	0.12	0.392	0.393
17031	Suntex 95 Dark Bronze	BSDF File	17	@	Suntex_95_Dark_Bronze.xml	1	0.2	0.83	0.83	0.08		0.061	0.062	0.044	0.044	0.063	0.06	0.049	0.05
17032	Suntex 95 Mocha	BSDF File	17	@	Suntex_95_Mocha.xml	1	0.2	0.81	0.81	0.1		0.068	0.067	0.224	0.223	0.086	0.09	0.240	0.24
17033	Suntex 95 Sand	BSDF File	17	@	Suntex_95_Sand.xml	1	0.2	0.82	0.82	0.09		0.073	0.075	0.454	0.453	0.129	0.13	0.452	0.451
17034	Suntex 95 Stucco	BSDF File	17	@	Suntex_95_Stucco.xml	1	0.2	0.83	0.83	0.08		0.098	0.096	0.529	0.529	0.154	0.15	0.511	0.512

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17035	Suntex 95 White	BSDF File	17	@	Suntex_95_White.xml	1	0.2	0.83	0.83	0.08		0.161	0.163	0.798	0.798	0.201	0.20	0.702	0.702
17036	Suntex 95 White Grey	BSDF File	17	@	Suntex_95_White_Grey.xml	1	0.2	0.82	0.82	0.09		0.105	0.104	0.598	0.601	0.132	0.13	0.527	0.53
17037	Suntex 80 Beige	BSDF File	17	@	Suntex_80_Beige.xml	1	0.2	0.644	0.644	0.28		0.284	0.283	0.316	0.318	0.313	0.31	0.309	0.312
17038	Suntex 80 Black	BSDF File	17	@	Suntex_80_Black.xml	1	0.2	0.662	0.662	0.27		0.273	0.273	0.027	0.027	0.274	0.27	0.026	0.027
17039	Suntex 80 Brown	BSDF File	17	@	Suntex_80_Brown.xml	1	0.2	0.657	0.657	0.273		0.27	0.27	0.036	0.035	0.269	0.27	0.036	0.036
17040	Suntex 80 Dark Bronze	BSDF File	17	@	Suntex_80_Dark_Bronze.xml	1	0.2	0.654	0.654	0.276		0.271	0.271	0.038	0.039	0.274	0.27	0.042	0.042
17041	Suntex 80 Grey	BSDF File	17	@	Suntex_80_Grey.xml	1	0.2	0.654	0.654	0.273		0.279	0.279	0.24	0.241	0.29	0.29	0.219	0.221
17042	Suntex 80 Stucco	BSDF File	17	@	Suntex_80_Stucco.xml	1	0.2	0.647	0.647	0.281		0.296	0.296	0.398	0.384	0.328	0.33	0.382	0.370
17043	Suntex 90 Beige	BSDF File	17	@	Suntex_90_Beige.xml	1	0.2	0.775	0.775	0.137		0.132	0.133	0.378	0.379	0.162	0.16	0.365	0.366
17044	Suntex 90 Black	BSDF File	17	@	Suntex_90_Black.xml	1	0.2	0.783	0.783	0.135		0.125	0.124	0.033	0.033	0.125	0.12	0.032	0.032
17045	Suntex 90 Brown	BSDF File	17	@	Suntex_90_Brown.xml	1	0.2	0.784	0.784	0.134		0.117	0.115	0.041	0.041	0.117	0.11	0.042	0.042
17046	Suntex 90 Dark Bronze	BSDF File	17	@	Suntex_90_Dark_Bronze.xml	1	0.2	0.786	0.786	0.13		0.116	0.117	0.042	0.043	0.118	0.12	0.045	0.046

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17047	Suntex 90 Grey	BSDF File	17	@	Suntex_90_Grey.xml	1	0.2	0.774	0.774	0.138		0.117	0.118	0.293	0.293	0.128	0.13	0.266	0.266
17048	Suntex 90 Stucco	BSDF File	17	@	Suntex_90_Stucco.xml	1	0.2	0.769	0.769	0.141		0.151	0.149	0.467	0.483	0.184	0.18	0.441	0.456

Ricky Richards

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
1000	Black, Close Weave	BSDF File	10	@	Ricky Richards-Black Close Weave-oz20.xml	1	0.14	0.842	0.842	0.0740	0.041	0.045	0.045	0.066	0.066	0.045	0.05	0.061	0.061

Rollese Acmeda

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
50000	3000 Net 1% - White/White	BSDF File	17	@	3000 Net 1% - White-White.xml	1	0.15	0.792	0.792	0.069		0.125	0.125	0.854	0.860	0.172	0.17	0.746	0.75
50001	3000 Net 1% - White/Beige	BSDF File	17	@	3000 Net 1% - White-Beige.xml	1	0.15	0.805	0.782	0.083		0.104	0.107	0.716	0.718	0.162	0.16	0.642	0.644
50002	3000 Net 1% - White/Gray	BSDF File	17	@	3000 Net 1% - White-Gray.xml	1	0.15	0.779	0.779	0.093		0.048	0.052	0.597	0.595	0.090	0.09	0.530	0.53
50003	3000 Net 1% - Beige/Beige	BSDF File	17	@	3000 Net 1% - Beige-Beige.xml	1	0.15	0.805	0.794	0.078		0.109	0.116	0.562	0.562	0.174	0.18	0.523	0.523
50004	3000 Net 1% - Beige/Gray	BSDF File	17	@	3000 Net 1% - Beige-Gray.xml	1	0.15	0.826	0.788	0.076		0.056	0.056	0.432	0.428	0.101	0.10	0.404	0.401
50005	3000 Net 1% - Gray/Gray	BSDF File	17	@	3000 Net 1% - Gray-Gray.xml	1	0.15	0.811	0.78	0.082		0.015	0.016	0.323	0.324	0.047	0.05	0.312	0.314
50006	3000 Net 1% - Charcoal/Charcoal	BSDF File	17	@	3000 Net 1% - Charcoal-Charcoal.xml	1	0.15	0.794	0.804	0.083		0.007	0.006	0.036	0.036	0.007	0.007	0.035	0.036

Rollese Acmeda

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
50007	3000 Net 1% - Charcoal/Bronze	BSDF File	17	@	3000 Net 1% - Charcoal-Bronze.xml	1	0.15	0.813	0.813	0.067		0.005	0.005	0.052	0.053	0.007	0.006	0.056	0.057
50008	3000 Net 1% - Charcoal/Gray	BSDF File	17	@	3000 Net 1% - Charcoal-Gray.xml	1	0.15	0.779	0.779	0.105		0.005	0.005	0.126	0.126	0.008	0.008	0.116	0.115
50009	3000 Net 3% - White/White	BSDF File	17	@	3000 Net 3% - White-White.xml	1	0.15	0.81	0.774	0.093		0.153	0.149	0.808	0.806	0.202	0.2	0.713	0.712
50010	3000 Net 3% - White/Beige	BSDF File	17	@	3000 Net 3% - White-Beige.xml	1	0.15	0.801	0.801	0.098		0.139	0.140	0.679	0.679	0.198	0.2	0.608	0.609
50011	3000 Net 3% - White/Gray	BSDF File	17	@	3000 Net 3% - White-Gray.xml	1	0.15	0.769	0.769	0.119		0.058	0.061	0.53	0.533	0.101	0.11	0.478	0.481
50012	3000 Net 3% - Beige/Beige	BSDF File	17	@	3000 Net 3% - Beige-Beige.xml	1	0.15	0.81	0.774	0.09		0.126	0.124	0.562	0.554	0.191	0.19	0.522	0.516
50013	3000 Net 3% - Beige/Gray	BSDF File	17	@	3000 Net 3% - Beige-Gray.xml	1	0.15	0.807	0.805	0.082		0.088	0.085	0.415	0.414	0.137	0.13	0.391	0.390
50014	3000 Net 3% - Gray/Gray	BSDF File	17	@	3000 Net 3% - Gray-Gray.xml	1	0.15	0.773	0.792	0.094		0.046	0.047	0.327	0.324	0.081	0.08	0.319	0.316
50015	3000 Net 3% - Charcoal/Charcoal	BSDF File	17	@	3000 Net 3% - Charcoal-Charcoal.xml	1	0.15	0.761	0.802	0.1		0.041	0.041	0.034	0.035	0.042	0.04	0.034	0.035
50016	3000 Net 3% - Charcoal/Bronze	BSDF File	17	@	3000 Net 3% - Charcoal-Bronze.xml	1	0.15	0.779	0.828	0.09		0.032	0.033	0.062	0.063	0.035	0.04	0.069	0.071
50017	3000 Net 3% - Charcoal/Gray	BSDF File	17	@	3000 Net 3% - Charcoal-Gray.xml	1	0.15	0.781	0.825	0.078		0.037	0.037	0.168	0.169	0.043	0.04	0.154	0.155
50018	3000 Net 5% - White/White	BSDF File	17	@	3000 Net 5% - White-White.xml	1	0.15	0.8	0.752	0.106		0.172	0.172	0.787	0.785	0.224	0.22	0.687	0.685

Rollese Acmeda

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
50019	3000 Net 5% - White/Beige	BSDF File	17	@	3000 Net 5% - White-Beige.xml	1	0.15	0.772	0.779	0.108		0.181	0.181	0.636	0.638	0.239	0.24	0.572	0.573
50020	3000 Net 5% - White/Gray	BSDF File	17	@	3000 Net 5% - White-Gray.xml	1	0.15	0.789	0.756	0.117		0.104	0.103	0.489	0.49	0.151	0.15	0.446	0.446
50021	3000 Net 5% - Beige/Beige	BSDF File	17	@	3000 Net 5% - Beige-Beige.xml	1	0.15	0.774	0.783	0.12		0.191	0.193	0.527	0.529	0.251	0.25	0.488	0.490
50022	3000 Net 5% - Beige/Gray	BSDF File	17	@	3000 Net 5% - Beige-Gray.xml	1	0.15	0.78	0.794	0.095		0.099	0.100	0.402	0.401	0.152	0.15	0.384	0.383
50023	3000 Net 5% - Gray/Gray	BSDF File	17	@	3000 Net 5% - Gray-Gray.xml	1	0.15	0.807	0.784	0.087		0.088	0.086	0.306	0.305	0.128	0.12	0.299	0.297
50024	3000 Net 5% - Charcoal/Charcoal	BSDF File	17	@	3000 Net 5% - Charcoal-Charcoal.xml	1	0.15	0.796	0.788	0.099		0.055	0.055	0.035	0.035	0.056	0.06	0.035	0.035
50025	3000 Net 5% - Charcoal/Bronze	BSDF File	17	@	3000 Net 5% - Charcoal-Bronze.xml	1	0.15	0.782	0.782	0.107		0.072	0.069	0.06	0.059	0.078	0.08	0.068	0.067
50026	3000 Net 5% - Charcoal/Gray	BSDF File	17	@	3000 Net 5% - Charcoal-Gray.xml	1	0.15	0.8	0.764	0.094		0.077	0.073	0.171	0.169	0.088	0.08	0.158	0.156
50027	3000 Net 10% - White/White	BSDF File	17	@	3000 Net 10% - White-White.xml	1	0.15	0.765	0.757	0.127		0.203	0.204	0.76	0.757	0.251	0.25	0.667	0.664
50028	3000 Net 10% - White/Beige	BSDF File	17	@	3000 Net 10% - White-Beige.xml	1	0.15	0.733	0.767	0.126		0.204	0.205	0.637	0.633	0.257	0.26	0.574	0.57
50029	3000 Net 10% - White/Gray	BSDF File	17	@	3000 Net 10% - White-Gray.xml	1	0.15	0.773	0.773	0.084		0.099	0.102	0.487	0.490	0.145	0.15	0.444	0.446
50030	3000 Net 10% - Charcoal/Charcoal	BSDF File	17	@	3000 Net 10% - Charcoal-Charcoal.xml	1	0.15	0.77	0.77	0.129		0.086	0.085	0.037	0.037	0.087	0.09	0.036	0.037

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ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
50031	3000 HT 3% - White/White	BSDF File	17	@	3000 HT 3% - White-White.xml	1	0.15	0.765	0.765	0.116		0.189	0.186	0.764	0.77	0.233	0.23	0.675	0.679
50032	3000 HT 3% - White/Beige	BSDF File	17	@	3000 HT 3% - White-Beige.xml	1	0.15	0.762	0.763	0.11		0.196	0.206	0.651	0.573	0.245	0.25	0.585	0.531
50033	3000 HT 3% - White/Light Gray	BSDF File	17	@	3000 HT 3% - White-Light Gray.xml	1	0.15	0.753	0.786	0.113		0.136	0.142	0.611	0.435	0.183	0.19	0.553	0.425
50034	3000 HT 3% - White/Dim Gray	BSDF File	17	@	3000 HT 3% - White-Dim Gray.xml	1	0.15	0.818	0.755	0.827		0.08	0.086	0.536	0.238	0.111	0.12	0.479	0.245
50035	3000 HT 3% - White/Bronze	BSDF File	17	@	3000 HT 3% - White-Bronze.xml	1	0.15	0.796	0.759	0.092		0.079	0.080	0.491	0.161	0.105	0.11	0.431	0.166
50036	3000 HT 3% - White/Charcoal	BSDF File	17	@	3000 HT 3% - White-Charcoal.xml	1	0.15	0.776	0.778	0.107		0.071	0.071	0.484	0.122	0.075	0.08	0.405	0.099
50037	3000 HT 5% - White/White	BSDF File	17	@	3000 HT 5% - White-White.xml	0	0.15	0.774	0.772	0.11		0.21	0.217	0.742	0.736	0.257	0.26	0.654	0.648
50038	3000 HT 5% - White/Beige	BSDF File	17	@	3000 HT 5% - White-Beige.xml	0	0.15	0.797	0.745	0.101		0.205	0.206	0.653	0.579	0.253	0.25	0.589	0.538
50039	3000 HT 5% - White/Light Gray	BSDF File	17	@	3000 HT 5% - White-Light Gray.xml	0	0.15	0.766	0.75	0.13		0.162	0.171	0.615	0.45	0.215	0.22	0.553	0.436
50040	3000 HT 5% - White/Dim Gray	BSDF File	17	@	3000 HT 5% - White-Dim Gray.xml	0	0.15	0.756	0.745	0.131		0.123	0.138	0.539	0.262	0.158	0.17	0.481	0.264
50041	3000 HT 5% - White/Bronze	BSDF File	17	@	3000 HT 5% - White-Bronze.xml	0	0.15	0.789	0.762	0.107		0.073	0.080	0.502	0.167	0.098	0.11	0.442	0.175
50042	3000 HT 5% - White/Charcoal	BSDF File	17	@	3000 HT 5% - White-Charcoal.xml	0	0.15	0.779	0.778	0.095		0.059	0.062	0.487	0.121	0.063	0.07	0.412	0.102

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50043	SilverScreen 2% - White	BSDF File	17	@	SilverScreen 2% - White.xml	0	0.15	0.084	0.757	0.471		0.030	0.029	0.766	0.785	0.031	0.03	0.789	0.717
50044	SilverScreen 2% - Beige	BSDF File	17	@	SilverScreen 2% - Beige.xml	0	0.15	0.093	0.786	0.056		0.040	0.038	0.764	0.672	0.041	0.04	0.784	0.634
50045	SilverScreen 2% - Light Gray	BSDF File	17	@	SilverScreen 2% - Light Gray.xml	0	0.15	0.084	0.767	0.063		0.032	0.031	0.777	0.606	0.032	0.03	0.798	0.565
50046	SilverScreen 2% - Black	BSDF File	17	@	SilverScreen 2% - Black.xml	0	0.15	0.086	0.76	0.074		0.027	0.021	0.786	0.055	0.028	0.02	0.808	0.053
50047	SilverScreen 2% - Dark Gray	BSDF File	17	@	SilverScreen 2% - Dark Gray.xml	0	0.15	0.089	0.787	0.059		0.031	0.027	0.778	0.085	0.031	0.03	0.797	0.088
50048	SilverScreen 2% - Bronze	BSDF File	17	@	SilverScreen 2% - Bronze.xml	0	0.15	0.084	0.782	0.065		0.038	0.03	0.779	0.128	0.038	0.03	0.798	0.125
50049	SilverScreen 2% - Steel Gray	BSDF File	17	@	SilverScreen 2% - Steel Gray.xml	0	0.15	0.082	0.729	0.065		0.027	0.023	0.773	0.294	0.027	0.02	0.793	0.304
50050	SilverScreen 4% - White	BSDF File	17	@	SilverScreen 4% - White.xml	0	0.15	0.102	0.776	0.062		0.052	0.050	0.738	0.767	0.052	0.05	0.759	0.696
50051	SilverScreen 4% - Beige	BSDF File	17	@	SilverScreen 4% - Beige.xml	0	0.15	0.223	0.767	0.065		0.060	0.055	0.638	0.651	0.062	0.06	0.676	0.611
50052	SilverScreen 4% - Light Gray	BSDF File	17	@	SilverScreen 4% - Light Gray.xml	0	0.15	0.125	0.808	0.046		0.054	0.048	0.714	0.573	0.055	0.05	0.747	0.527
50053	SilverScreen 4% - Bronze	BSDF File	17	@	SilverScreen 4% - Bronze.xml	0	0.15	0.107	0.772	0.07		0.042	0.038	0.716	0.126	0.042	0.04	0.749	0.12
50054	SilverScreen 4% - Dark Gray	BSDF File	17	@	SilverScreen 4% - Dark Gray.xml	0	0.15	0.097	0.76	0.072		0.045	0.039	0.734	0.082	0.046	0.04	0.760	0.088

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50055	SilverScreen 4% - Black	BSDF File	17	@	SilverScreen 4% - Black.xml	0	0.15	0.119	0.801	0.047		0.054	0.049	0.702	0.046	0.054	0.05	0.734	0.044
50056	SilverScreen 4% - Chocolate Brown	BSDF File	17	@	SilverScreen 4% - Chocolate Brown.xml	0	0.15	0.119	0.81	0.038		0.051	0.044	0.723	0.055	0.051	0.04	0.752	0.055
50057	SilverScreen 4% - Misty Gray	BSDF File	17	@	SilverScreen 4% - Misty Gray.xml	0	0.15	0.119	0.778	0.05		0.052	0.047	0.733	0.376	0.053	0.05	0.760	0.357
50058	SilverScreen 4% - Steel Gray	BSDF File	17	@	SilverScreen 4% - Steel Gray.xml	0	0.15	0.101	0.788	0.042		0.051	0.044	0.737	0.299	0.052	0.05	0.758	0.306
50059	SilverScreen 4% - Dark Beige	BSDF File	17	@	SilverScreen 4% - Dark Beige.xml	0	0.15	0.121	0.766	0.063		0.054	0.053	0.718	0.555	0.056	0.05	0.747	0.535
50060	OmniaScreen 3% - White-White	BSDF File	17	@	OmniaScreen 3% - White-White.xml	1	0.15	0.149	0.776	0.059		0.046	0.043	0.729	0.801	0.048	0.05	0.752	0.716
50061	OmniaScreen 3% - White-Beige	BSDF File	17	@	OmniaScreen 3% - White-Beige.xml	1	0.15	0.14	0.81	0.051		0.060	0.056	0.668	0.654	0.063	0.06	0.699	0.602
50062	OmniaScreen 3% - White-Gray	BSDF File	17	@	OmniaScreen 3% - White-Gray.xml	1	0.15	0.134	0.78	0.056		0.042	0.035	0.802	0.524	0.042	0.04	0.812	0.476
50063	OmniaScreen 3% - Charcoal-Charcoal	BSDF File	17	@	OmniaScreen 3% - Charcoal-Charcoal.xml	1	0.15	0.127	0.768	0.039		0.039	0.033	0.686	0.039	0.04	0.03	0.715	0.038
50064	OmniaScreen 3% - Charcoal-Bronze	BSDF File	17	@	OmniaScreen 3% - Charcoal-Bronze.xml	1	0.15	0.129	0.727	0.083		0.039	0.035	0.746	0.066	0.039	0.03	0.773	0.072
50065	OmniaScreen 3% - Charcoal-Dark Gray	BSDF File	17	@	OmniaScreen 3% - Charcoal-Dark Gray.xml	1	0.15	0.115	0.804	0.055		0.049	0.045	0.689	0.085	0.049	0.05	0.710	0.085
50066	EnviroScreen 2% - Light Gray	BSDF File	17	@	EnviroScreen 2% - Light Gray.xml	0	0.15	0.212	0.759	0.047		0.033	0.04	0.714	0.622	0.035	0.04	0.733	0.601

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50067	EnviroScreen 2% -	BSDF File	17	@	EnviroScreen 2% - Beige.xml	0	0.15	0.203	0.772	0.059		0.032	0.041	0.717	0.526	0.035	0.04	0.736	0.555
50068	EnviroScreen 2% - Tan	BSDF File	17	@	EnviroScreen 2% - Tan.xml	0	0.15	0.218	0.775	0.057		0.029	0.038	0.734	0.442	0.034	0.04	0.753	0.535
50069	EnviroScreen 2% - Black	BSDF File	17	@	EnviroScreen 2% - Black.xml	0	0.15	0.256	0.759	0.054		0.016	0.015	0.649	0.033	0.034	0.04	0.673	0.347
50070	EnviroScreen 2% - Steel Gray	BSDF File	17	@	EnviroScreen 2% - Steel Gray.xml	0	0.15	0.254	0.791	0.053		0.023	0.027	0.723	0.213	0.032	0.04	0.742	0.433
50071	EnviroScreen 2% - Dark Gray	BSDF File	17	@	EnviroScreen 2% - Dark Gray.xml	0	0.15	0.233	0.764	0.049		0.017	0.018	0.724	0.072	0.028	0.03	0.745	0.367
50072	Balmoral BO - Pearl	BSDF File	17	@	Balmoral BO - Pearl.xml	1	0.15	0.863	0.842	0		3E-05	3E-05	0.81	0.802	1E-04	9E-05	0.697	0.728
50073	Balmoral BO - Pyrite	BSDF File	17	@	Balmoral BO - Pyrite.xml	1	0.15	0.871	0.828	0		3E-05	2E-05	0.819	0.269	9E-05	7E-05	0.721	0.288
50074	Balmoral BO - Dove	BSDF File	17	@	Balmoral BO - Dove.xml	1	0.15	0.875	0.823	0		4E-05	3E-05	0.811	0.401	1E-04	8E-05	0.716	0.432
50075	Balmoral BO - Putty	BSDF File	17	@	Balmoral BO - Putty.xml	1	0.15	0.871	0.827	0		3E-05	2E-05	0.765	0.652	9E-05	7E-05	0.677	0.618
50076	Balmoral BO - Birch	BSDF File	17	@	Balmoral BO - Birch.xml	1	0.15	0.869	0.832	0		3E-05	2E-05	0.802	0.652	9E-05	8E-05	0.704	0.622
50077	Balmoral BO - Concrete	BSDF File	17	@	Balmoral BO - Concrete.xml	1	0.15	0.873	0.836	0		3E-05	8E-06	0.787	0.558	8E-05	8E-05	0.678	0.563
50078	Balmoral BO - White	BSDF File	17	@	Balmoral BO - White.xml	1	0.15	0.886	0.774	0		3E-05	4E-05	0.835	0.797	7E-05	9E-05	0.716	0.727

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50079	Balmoral BO - Bourneville	BSDF File	17	@	Balmoral BO - Bourneville.xml	1	0.15	0.86	0.838	0		2E-05	2E-05	0.815	0.084	6E-05	6E-05	0.718	0.107
50080	Balmoral BO - Jet	BSDF File	17	@	Balmoral BO - Jet.xml	1	0.15	0.871	0.842	0		1E-05	2E-05	0.79	0.057	6E-05	6E-05	0.686	0.063
50081	Balmoral Blackout (Steel)	BSDF File	17	@	Balmoral Blackout - Steel.xml	1	0.15	0.834	0.887	0		0	2E-05	0.862	0.194	7E-05	6E-05	0.746	0.199
50082	Balmoral LF - Pearl	BSDF File	17	@	Balmoral LF - Pearl.xml	0	0.15	0.724	0.735	0.12		0.467	0.470	0.499	0.51	0.461	0.46	0.48	0.491
50083	Balmoral LF - Pyrite	BSDF File	17	@	Balmoral LF - Pyrite.xml	0	0.15	0.735	0.745	0.115		0.135	0.141	0.156	0.191	0.155	0.16	0.17	0.204
50084	Balmoral LF - Dove	BSDF File	17	@	Balmoral LF - Dove.xml	0	0.15	0.74	0.751	0.096		0.257	0.258	0.304	0.291	0.295	0.3	0.33	0.324
50085	Balmoral LF - Putty	BSDF File	17	@	Balmoral LF - Putty.xml	0	0.15	0.704	0.77	0.107		0.388	0.387	0.458	0.435	0.397	0.4	0.456	0.436
50086	Balmoral Blackout (Birch)	BSDF File	17	@	Balmoral Light Filtering - Birch.xml	1	0.15	0.718	0.718	0.113		0.393	0.398	0.445	0.444	0.403	0.41	0.443	0.441
50087	Balmoral LF - Concrete	BSDF File	17	@	Balmoral LF - Concrete.xml	0	0.15	0.754	0.726	0.11		0.330	0.323	0.388	0.385	0.353	0.35	0.405	0.401
50088	Balmoral LF - White	BSDF File	17	@	Balmoral LF - White.xml	0	0.15	0.748	0.74	0.105		0.451	0.452	0.509	0.527	0.443	0.44	0.492	0.510
50089	Balmoral LF - Bourneville	BSDF File	17	@	Balmoral LF - Bourneville.xml	0	0.15	0.781	0.747	0.084		0.073	0.075	0.073	0.060	0.087	0.09	0.085	0.067
50090	Balmoral Blackout (Jet)	BSDF File	17	@	Balmoral Light Filtering - Jet.xml	1	0.15	0.736	0.756	0.0934		0.060	0.055	0.043	0.048	0.065	0.06	0.045	0.053

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50091	Balmoral LF - Steel	BSDF File	17	@	Balmoral LF - Steel.xml	0	0.15	0.743	0.725	0.12		0.126	0.122	0.150	0.123	0.139	0.14	0.178	0.129
50092	Mesa - Dove White	BSDF File	17	@	Mesa - Dove White.xml	1	0.15	0.795	0.824	0		4E-05	4E-05	0.832	0.835	9E-05	0.0001	0.723	0.765
50093	Mesa - White	BSDF File	17	@	Mesa - White.xml	1	0.15	0.867	0.878	0		4E-05	5E-05	0.846	0.871	0.0001	0.0001	0.749	0.789
50094	Mesa - Pearl	BSDF File	17	@	Mesa - Pearl.xml	1	0.15	0.874	0.88	0		4E-05	2E-05	0.840	0.766	9E-05	0.0001	0.727	0.72
50095	Mesa - Latte	BSDF File	17	@	Mesa - Latte.xml	1	0.15	0.864	0.877	0		7E-05	2E-05	0.332	0.838	0.0001	7E-05	0.341	0.739
50096	Mesa - Seal	BSDF File	17	@	Mesa - Seal.xml	1	0.15	0.883	0.893	0		4E-05	3E-05	0.784	0.214	8E-05	9E-05	0.687	0.195
50097	Mesa - Cocoa	BSDF File	17	@	Mesa - Cocoa.xml	1	0.15	0.871	0.865	0		6E-05	5E-05	0.823	0.062	0.0001	8E-05	0.724	0.062
50098	Mesa - Slate	BSDF File	17	@	Mesa - Slate.xml	1	0.15	0.84	0.875	0		5E-05	2E-05	0.863	0.140	1E-04	8E-05	0.764	0.122
50099	Mesa Blackout (Black)	BSDF File	17	@	Mesa Blackout - Black.xml	1	0.15	0.842	0.874	0		1E-05	1E-05	0.849	0.038	7E-05	6E-05	0.747	0.036
50100	Tempe - Polar	BSDF File	17	@	Tempe - Polar.xml	0	0.15	0.877	0.842	0		8E-05	4E-05	0.765	0.809	0.0002	0.0002	0.647	0.687
50101	Tempe - Linen	BSDF File	17	@	Tempe - Linen.xml	0	0.15	0.875	0.878	0		4E-05	6E-05	0.778	0.772	0.001	0.001	0.661	0.648
50102	Tempe - Almond	BSDF File	17	@	Tempe - Almond.xml	0	0.15	0.875	0.856	0		3E-05	6E-05	0.764	0.716	0.0005	0.0005	0.663	0.631

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50103	Tempe - Straw	BSDF File	17	@	Tempe - Straw.xml	0	0.15	0.869	0.861	0		4E-05	5E-05	0.757	0.698	0.0009	0.0009	0.643	0.603
50104	Tempe - Cloud	BSDF File	17	@	Tempe - Cloud.xml	0	0.15	0.876	0.852	0		4E-05	5E-05	0.774	0.57	0.0009	0.0009	0.651	0.489
50105	Tempe - Wheat	BSDF File	17	@	Tempe - Wheat.xml	0	0.15	0.878	0.875	0		5E-05	4E-05	0.772	0.488	0.001	0.001	0.649	0.446
50106	Tempe - Desert	BSDF File	17	@	Tempe - Desert.xml	0	0.15	0.874	0.863	0		4E-05	5E-05	0.774	0.388	0.0007	0.0007	0.65	0.346
50107	Tempe - Espresso	BSDF File	17	@	Tempe - Espresso.xml	0	0.15	0.869	0.893	0		5E-05	5E-05	0.757	0.084	0.0001	1E-04	0.637	0.08
50108	X-Weave - Sand	BSDF File	17	@	X-Weave - Sand.xml	1	0.15	0.765	0.765	0.11		0.169	0.169	0.541	0.541	0.231	0.23	0.497	0.497
50109	X-Weave - Stone Gray	BSDF File	17	@	X-Weave - Stone Gray.xml	1	0.15	0.791	0.791	0.081		0.083	0.083	0.294	0.294	0.11	0.11	0.282	0.282
50110	X-Weave - Slate	BSDF File	17	@	X-Weave - Slate.xml	1	0.15	0.755	0.755	0.129		0.075	0.075	0.081	0.081	0.077	0.08	0.075	0.075
50111	X-Weave - Mohogany	BSDF File	17	@	X-Weave - Mohogany.xml	1	0.15	0.75	0.75	0.142		0.088	0.088	0.057	0.057	0.091	0.09	0.057	0.057
50112	X-Weave - Graphite	BSDF File	17	@	X-Weave - Graphite.xml	1	0.15	0.761	0.761	0.125		0.128	0.128	0.122	0.122	0.128	0.13	0.114	0.114
50113	X-Weave - Onyx	BSDF File	17	@	X-Weave - Onyx.xml	1	0.15	0.761	0.761	0.127		0.088	0.088	0.028	0.028	0.088	0.09	0.026	0.026
50114	3000 Net Privacy - White-White	BSDF File	17	@	3000 Net Privacy - White-White.xml	1	0.15	0.768	0.768	0.096		0.113	0.113	0.834	0.834	0.164	0.16	0.733	0.733

Rollese Acmeda

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
50115	3000 Net Privacy - White-Beige	BSDF File	17	@	3000 Net Privacy - White-Beige.xml	1	0.15	0.707	0.707	0.154		0.039	0.039	0.601	0.601	0.078	0.08	0.539	0.539
50116	3000 Net Privacy - White-Gray	BSDF File	17	@	3000 Net Privacy - White-Gray.xml	1	0.15	0.754	0.754	0.119		0.098	0.098	0.731	0.731	0.155	0.16	0.654	0.654
50117	3000 Net Privacy - Gray-Gray	BSDF File	17	@	3000 Net Privacy - Gray-Gray.xml	1	0.15	0.762	0.762	0.113		0.011	0.011	0.326	0.326	0.044	0.04	0.318	0.318
50118	3000 Net Privacy - Charcoal-Gray	BSDF File	17	@	3000 Net Privacy - Charcoal-Gray.xml	1	0.15	0.776	0.776	0.102		0.0003	0.0003	0.12	0.12	0.002	0.002	0.108	0.108
50119	3000 Net Privacy - Charcoal-Bronze	BSDF File	17	@	3000 Net Privacy - Charcoal-Bronze.xml	1	0.15	0.801	0.801	0.055		0.0001	0.0001	0.052	0.052	0.001	0.001	0.055	0.055
50120	3000 Net Privacy - Charcoal-Charcoal	BSDF File	17	@	3000 Net Privacy - Charcoal-Charcoal.xml	1	0.15	0.831	0.831	0.036		0.002	0.002	0.034	0.034	0.002	0.002	0.033	0.033

Shaw

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
1500	Alabaster 2772	BSDF File	10	@	Shaw-Alabaster 2772-oz35.xml	1	0.14	0.88	0.87	0.0002	0	0	0	0.826	0.826	7E-05	3E-05	0.759	0.673
1501	Urbanshade White 2685	BSDF File	10	@	Shaw-Urbanshade White 2685-oz34.xml	1	0.14	0.813	0.813	0.0728	0	0	0	0.850	0.850	0	0	0.798	0.739

Springs Windows Fashions

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
21000	Cocoon Mist 3812	BSDF File	10	@	2014-SC5.XML	0	0.15	0.761	0.761	7E-05	0	0.0006	0.0006	0.605	0.721	0.001	0.001	0.662	0.720
21001	Solitude Coffee 1707	BSDF File	10	@	2014-SC6.XML	0	0.15	0.712	0.712	3E-05	0	0.0001	0.0001	0.214	0.688	0.0003	0.0003	0.441	0.710

Springs Windows Fashions

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
21002	Zest Spruce 2203	BSDF File	10	@	2014-SC7.XML	0	0.15	0.699	0.699	0.0973	0.0093	0.389	0.459	0.345	0.544	0.429	0.46	0.432	0.536
21003	Iron Gate 2441	BSDF File	10	@	2014-SC8.XML	0	0.15	0.715	0.715	0.0875	0.0121	0.122	0.465	0.082	0.553	0.282	0.47	0.303	0.547
21004	Daydream Camel	BSDF File	10	@	2014-SC9.XML	0	0.15	0.717	0.717	0.1269	0.0363	0.438	0.605	0.241	0.391	0.467	0.61	0.257	0.386
21005	Ferrari FT381	BSDF File	10	@	2014-SC10.XML	0	0.15	0.507	0.623	0.2946	0.2382	0.253	0.254	0.412	0.428	0.258	0.26	0.400	0.410

Twitchell

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
19000	ShadeView, Light Grey	BSDF File	10	@	2011-SA19.XML	1	0.15	0.768	0.768	0.144	0.1598	0.272	0.272	0.303	0.303	0.288	0.29	0.286	0.286
19001	Sunsure, Royal Blue	BSDF File	10	@	2011-SA20.XML	1	0.15	0.821	0.821	0.0732	0.0766	0.087	0.087	0.109	0.109	0.201	0.20	0.303	0.303
19002	Textilene,awning White	BSDF File	10	@	2011-SA18.XML	1	0.15	0.829	0.829	0.0734	0.0686	0.132	0.132	0.819	0.819	0.176	0.18	0.73	0.73
19003	Textilene 80, Black	BSDF File	10	@	2011-SA22.XML	1	0.15	0.645	0.645	0.2829	0.2798	0.290	0.290	0.029	0.029	0.289	0.29	0.028	0.028
19004	Textilene 90, Black	BSDF File	10	@	2011-SA21.XML	1	0.15	0.781	0.781	0.1277	0.1339	0.142	0.142	0.035	0.035	0.142	0.14	0.034	0.034

Uniline

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
4000	Uniview Charcoal	BSDF File	10	@	Uniline-Uniview Charcoal-oz61.xml	1	0.14	0.861	0.861	0.0749	0.065	0.07	0.07	0.038	0.038	0.07	0.07	0.037	0.037

Verosol

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
20000	EnviroScreen 810/998, grey(dark)silver	BSDF File	10	@	2011-SA69.XML	1	0.15	0.688	0.293	0.1462	0.1116	0.119	0.119	0.115	0.115	0.131	0.13	0.377	0.377
20001	EnviroScreen 810/000, silver/silver	BSDF File	10	@	2011-SA70.XML	1	0.15	0.284	0.284	0.0984	0.129	0.155	0.155	0.543	0.543	0.155	0.16	0.537	0.537
20002	EnviroScreen 810/711, gold/silver	BSDF File	10	@	2011-SA71.XML	1	0.15	0.689	0.301	0.1469	0.1064	0.141	0.141	0.508	0.508	0.143	0.14	0.529	0.529
20003	EnviroScreen 810/936, grey(light)/silver	BSDF File	10	@	2011-SA72.XML	1	0.15	0.68	0.282	0.1488	0.1113	0.125	0.125	0.261	0.261	0.133	0.13	0.440	0.440
20004	SilverScreen EB01,black/silver	BSDF File	10	@	2011-SA73.XML	1	0.15	0.839	0.144	0.0664	0.0382	0.041	0.041	0.054	0.054	0.041	0.04	0.052	0.052
20005	SilverScreen EB03,white+light grey/silver	BSDF File	10	@	2011-SA77.XML	1	0.15	0.843	0.164	0.0409	0.0337	0.035	0.035	0.14	0.14	0.035	0.04	0.134	0.134
20006	SilverScreen EB04,black+brown/silver	BSDF File	10	@	2011-SA76.XML	1	0.15	0.810	0.138	0.0675	0.0346	0.040	0.040	0.064	0.064	0.040	0.04	0.065	0.065
20007	SilverScreen EC01,dark grey/silver	BSDF File	10	@	2011-SA79.XML	1	0.15	0.848	0.124	0.057	0.0396	0.047	0.047	0.392	0.392	0.047	0.05	0.378	0.378
20008	SilverScreen EC02,dark+light grey/silver	BSDF File	10	@	2011-SA74.XML	1	0.15	0.841	0.171	0.0442	0	0.044	0.044	0.297	0.297	0.045	0.05	0.307	0.307
20009	SilverScreen ED03,light grey/silver	BSDF File	10	@	2011-SA78.XML	1	0.15	0.819	0.135	0.063	0.0369	0.045	0.045	0.587	0.587	0.045	0.05	0.529	0.529
20010	SilverScreen ED04,tan+pearl/silver	BSDF File	10	@	2011-SA75.XML	1	0.15	0.841	0.132	0.0593	0.0337	0.042	0.042	0.586	0.586	0.043	0.04	0.562	0.562

Verosol

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
20011	Silverscreen 205ED02	BSDF File	10	@	Verosol Silverscreen 205ED02-SE21.xml	0	0.3	0.881	0.117	0.02	0.0349	0.046	0.046	0.679	0.679	0.047	0.05	0.633	0.633
20012	Silverscreen 205EC01	BSDF File	10	@	Verosol Silverscreen 205EC01-SE22rev.xml	0	0.3	0.106	0.861	0.02	0.0380	0.053	0.048	0.742	0.378	0.054	0.05	0.762	0.358
20013	205-EB03	BSDF File	10	@	Verosol 205-EB03-SE23rev.xml	0	0.3	0.11	0.850	0.0541	0.0400	0.053	0.045	0.743	0.131	0.053	0.05	0.763	0.124
20014	205-ED01	BSDF File	10	@	Verosol 205-ED01-SE24rev.xml	0	0.3	0.077	0.833	0.0492	0.0413	0.059	0.054	0.762	0.770	0.060	0.05	0.783	0.693
20015	205-ED04	BSDF File	10	@	Verosol 205-ED04-SE25rev.xml	0	0.3	0.096	0.791	0.0735	0.0422	0.059	0.053	0.758	0.557	0.060	0.05	0.774	0.534
20016	205-ED03	BSDF File	10	@	Verosol 205-ED03-SE26rev.xml	0	0.3	0.105	0.833	0.0524	0.0399	0.057	0.052	0.746	0.587	0.057	0.05	0.766	0.535
20017	205-EB04	BSDF File	10	@	Verosol 205-EB04-SE27rev.xml	0	0.3	0.104	0.875	0.0354	0.0414	0.054	0.046	0.743	0.064	0.055	0.05	0.762	0.064
20018	205-EB02	BSDF File	10	@	Verosol 205-EB02-SE28rev.xml	0	0.3	0.109	0.841	0.0547	0.0341	0.045	0.039	0.757	0.088	0.049	0.04	0.783	0.092
20019	202-ED01	BSDF File	10	@	Verosol 202-ED01-SE29rev.xml	0	0.3	0.094	0.854	0.0233	0.0187	0.03	0.026	0.749	0.813	0.028	0.03	0.77	0.741
20020	205-EC02	BSDF File	10	@	Verosol 205-EC02-SE31rev.xml	0	0.3	0.114	0.825	0.0567	0.037	0.052	0.045	0.746	0.286	0.053	0.05	0.767	0.293
20021	205-EB01	BSDF File	10	@	Verosol 205-EB01-SE32rev.xml	0	0.3	0.111	0.800	0.0875	0.036	0.045	0.04	0.749	0.054	0.045	0.04	0.764	0.053
20022	SWC M392	BSDF File	10	@	Verosol SWC M392-SE40rev.xml	0	0.3	0.103	0.771	0.1046	0.0389	0.041	0.04	0.736	0.112	0.041	0.04	0.755	0.062

Verosol

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	εf	εb	Tir	Perm	TvisF	TvisB	RvisF	RvisB	TsolF	TsolB	RsolF	RsolB
20023	304 CC20	BSDF File	10	@	Verosol 304 CC20-SE41rev.xml	0	0.3	0.109	0.721	0.1224	0.0394	0.052	0.056	0.739	0.509	0.054	0.06	0.756	0.522
20024	805 000	BSDF File	10	@	Verosol 805 000-SE42rev.xml	0	0.3	0.272	0.786	0.0569	0.0467	0.072	0.081	0.678	0.589	0.075	0.08	0.694	0.563
20025	805 711	BSDF File	10	@	Verosol 805 711-SE43rev.xml	0	0.3	0.211	0.774	0.0934	0.0463	0.069	0.069	1.494	1.494	0.073	0.07	0.692	0.692
20026	805 765	BSDF File	10	@	Verosol 805 765-SE44rev.xml	0	0.3	0.216	0.766	0.0969	0.0478	0.068	0.074	0.686	0.391	0.074	0.08	0.701	0.49
20027	802 765	BSDF File	10	@	Verosol 802 765-SE45rev.xml	0	0.3	0.216	0.827	0.052	0.0134	0.029	0.037	0.706	0.431	0.034	0.04	0.725	0.528
20028	802 000	BSDF File	10	@	Verosol 802 000-SE46rev.xml	0	0.3	0.057	0.846	0.0411	0.0126	0.034	0.033	0.713	0.623	0.036	0.03	0.73	0.596
20029	802 711	BSDF File	10	@	Verosol 802 711-SE47rev.xml	0	0.3	0.209	0.858	0.0452	0.0127	0.032	0.04	0.707	0.518	0.036	0.04	0.724	0.553
20030	802 829	BSDF File	10	@	Verosol 802 829-SE48rev.xml	0	0.3	0.221	0.817	0.056	0.0119	0.016	0.017	0.708	0.058	0.028	0.03	0.726	0.372
20031	802 936	BSDF File	10	@	Verosol 802 936-SE49rev.xml	0	0.3	0.206	0.795	0.0669	0.0121	0.023	0.029	0.711	0.252	0.031	0.04	0.729	0.461
20032	802 998	BSDF File	10	@	Verosol 802 998-SE50rev.xml	0	0.3	0.23	0.858	0.0164	0.0078	0.013	0.016	0.719	0.094	0.025	0.03	0.736	0.394
20033	805 998	BSDF File	10	@	Verosol 805 998-SE51rev.xml	0	0.3	0.197	0.753	0.1095	0.0433	0.052	0.054	0.69	0.105	0.064	0.07	0.706	0.381
20034	805 936	BSDF File	10	@	Verosol 805 936-SE52rev.xml	0	0.3	0.206	0.831	0.0615	0.0438	0.058	0.063	0.692	0.230	0.068	0.08	0.707	0.437

Verosol

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
20035	805 829	BSDF File	10	@	Verosol 805 829-SE53rev.xml	0	0.3	0.206	0.76	0.0918	0.0487	0.055	0.054	0.681	0.044	0.070	0.08	0.699	0.348

WinBuild

ID	Name	Type	DB Ver #	Cert	XML Filename	t (mm)	k (W/m-k)	ϵ_f	ϵ_b	T _{ir}	Perm	T _{visF}	T _{visB}	R _{visF}	R _{visB}	T _{solF}	T _{solB}	R _{solF}	R _{solB}
26000	Golden low-E fabric WBI1W	BSDF File	10	@	WBI1W.xml	0	0.12	0.155	0.155	4E-05	0.0086	0.012	0.012	0.414	0.414	0.012	0.01	0.431	0.431
26001	Golden low-E fabric WBI1W - 5% openness	BSDF File	10	@	WBI1W_5.xml	0	0.12	0.147	0.147	0.0500	0.0586	0.062	0.062	0.394	0.394	0.062	0.06	0.409	0.409
26002	Golden low-E fabric WBI1W - 10% openness	BSDF File	10	@	WBI1W_10.xml	0	0.12	0.139	0.139	0.1000	0.1086	0.112	0.112	0.373	0.373	0.112	0.11	0.388	0.388
26003	Golden low-E fabric WBI2W	BSDF File	10	@	WBI2W.xml	0	0.12	0.155	0.155	4E-05	0.0092	0.012	0.012	0.442	0.442	0.012	0.01	0.461	0.461
26004	Golden low-E fabric WBI3W	BSDF File	10	@	WBI3W.xml	0	0.12	0.179	0.179	0.2217	0.1446	0.171	0.171	0.296	0.296	0.174	0.17	0.315	0.315