

5.14.1 Optical Properties

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ITAS Material Property Library: Line 1 To 18

ID	Material Name	Alpha	Emiss
1	ALUMINUM ON UYCOR	0.110	0.790
2	LITHAFRAX	0.130	0.850
3	FLASMO CLAY	0.170	0.930
4	ROKIDE C	0.900	0.850
5	ULTRIX	0.120	0.890
6	VELVET, BLACK (3M)	0.930	0.930
7	VELVET, WHITE (3M)	0.210	0.860
8	CLAD ALUMINUM, 2014, ALODYNE 1200S	0.460	0.070
9	CLAD ALUMINUM, 2014, ALODYNE 1200S, NEW	0.450	0.080
10	CLAD ALUMINUM, 2024, ALODYNE 1200S	0.430	0.060
11	CLAD ALUMINUM, 2024, ALODYNE 1200S, NEW	0.390	0.070
12	CLAD ALUMINUM, 2219, ALODYNE 1200S	0.450	0.060
13	CLAD ALUMINUM, 2219, ALODYNE 1200S, NEW	0.410	0.060
14	CLAD ALUMINUM, 7075, ALODYNE 1200S	0.440	0.060
15	CLAD ALUMINUM, 7075, ALODYNE 1200S, NEW	0.380	0.070
16	CLAD ALUMINUM, 7075, CLR ANOD(H2SO4)	0.600	0.800
17	CLAD ALUMINUM, 7075, CLR ANOD(H2SO4), NEW	0.220	0.800
18	CLOTH BETA CLOTH, WHITE (W/LIGHT-BLOCK)	0.360	0.800

CTRL-F10 goto MID CTRL
F1 Save F10 Search CTRL

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ITAS Material Property Library: Line 1 To 18

ID	Material Name	Alpha	Emiss
1	ALUMINUM ON UYCOR	0.110	0.790
2	LITHAFRAX	0.130	0.850
3	FLASMO CLAY	0.170	0.930

String: RAPTON

CR or F10 Search

11	CLAD ALUMINUM, 2024, ALODYNE 1200S, NEW	0.390	0.070
12	CLAD ALUMINUM, 2219, ALODYNE 1200S	0.450	0.060
13	CLAD ALUMINUM, 2219, ALODYNE 1200S, NEW	0.410	0.060
14	CLAD ALUMINUM, 7075, ALODYNE 1200S	0.440	0.060
15	CLAD ALUMINUM, 7075, ALODYNE 1200S, NEW	0.380	0.070
16	CLAD ALUMINUM, 7075, CLR ANOD(H2SO4)	0.600	0.800
17	CLAD ALUMINUM, 7075, CLR ANOD(H2SO4), NEW	0.220	0.800
18	CLOTH BETA CLOTH, WHITE (W/LIGHT-BLOCK)	0.360	0.800

CTRL-F10 goto MID CTRL
F1 Save F10 Search CTRL

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ITAS Material Property Library: Line 45 To 62

ID	Material Name	Alpha	Emiss
45	COATING SiO2-ALUMINUM ON RAPTAN	0.120	0.660
46	COATING SiO2-SILVER ON ALUMINUM	0.060	0.085
47	COATING TiO2-EPOXY-SKYSPEAR	0.220	0.890
48	COATING TiO2-METHYL SILICONE	0.230	0.770
49	COATING TiO2-SILICONE-ALKYD	0.260	0.810
50	COATING TiO2-SILICONE-AMATASE	0.190	0.860
51	ELPLATE GOLD ON POLISHED NICKEL STEEL	0.200	0.010
52	ELPLATE SILVER	0.150	0.050
53	FOIL ALUMINUM, 3003 BRIGHT	0.160	0.040
54	FOIL ALUMINUM, 6061	0.260	0.040
55	FOIL ALUMINUM, ADHESIVE BACKED (FASSON S-277)	0.170	0.030
56	FOIL ALUMINUM, ADHESIVE BACKED (FASSON)	0.120	0.050
57	FOIL ALUMINUM, ADHESIVE BACKED (MYSTIX 7402)	0.120	0.040
58	FOIL ALUMINUM, MIL-A-148	0.120	0.050
59	FOIL ALUMINUM, MIL-A-148	0.190	0.060
60	FOIL ALUMINUM, MIL-E-148	0.200	0.035
61	FOIL ALUMINUM, REYNOLDS WRAP, DULL SIDE	0.200	0.050
62	FOIL ALUMINUM, REYNOLDS WRAP, DULL SIDE, WORKED	0.220	0.030

CTRL-F10 goto MID CTRL-F10 goto MID CTRL
F1 Save F10 Search CTRL-F10 goto MID CTRL-F10 goto MID CTRL
F1 Save F10 Search CTRL-F10 goto MID CTRL-F10 goto MID CTRL

Figure 5-143. PC-ITAS/plus Optical Properties Library Screens