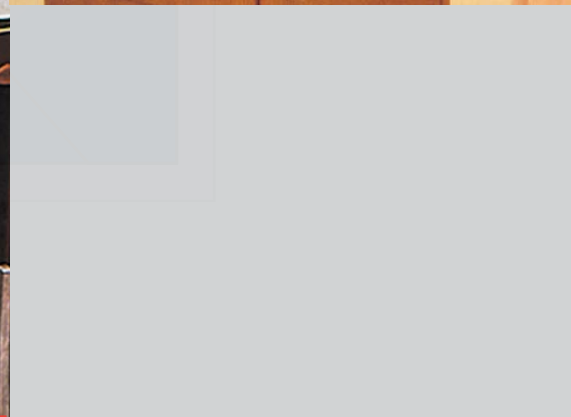


Safety/Security Film



**THE RETROFIT SOLUTION TO
HIGH PERFORMANCE GLAZING**


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Safety & Security Films

Typical solar properties with film mounted to 3mm clear glass.

SOLAR PROPERTIES

PHYSICAL PROPERTIES

	% Solar Transmittance	% Solar Reflectance	% Solar Absorbance	% Visible Light Transmittance	% Visible Light Reflected	Winter Median "U" Value	Shading Coefficient	% Ultraviolet Rejected	Emissivity	% Total Solar Energy Rejected	Luminous Efficacy	% Solar Heat Reduction	% Glare Reduction	Tensile Strength (lb/in ²)	Break Strength (lb/in)	% Elongation at Break	Peel Strength (g/inch)	Puncture Strength (lb)
Safety/Security Clear Films																		
SCLSRPS2 (clear)	83	9	8	89	10	1.03	.97	95	.84	16	.92	1	0	28,000	56	170	>3200	45
SCLSRPS4 (clear)	81	9	10	89	10	1.03	.97	95	.84	16	.92	1	1	33,100	132	167	>3200	74
SCLSRPS7 (clear)	81	9	10	88	10	1.03	.96	95	.84	16	.92	2	2	27,614	193	170	>3200	121
SCLSRPS8 (clear)	78	9	13	88	11	1.03	.94	99	.82	18	.94	5	2	29,505	235	140	>2850	146
SCLSRPS11 (clear)	78	9	13	85	11	1.03	.93	99	.84	19	.91	6	6	27,318	301	159	>1550	184
SCLSRPS15 (clear)	76	10	14	83	11	1.03	.92	99	.84	20	.90	7	8	23,345	373	149	>1550	226
Solar/Security Exterior Films																		
SCLERPS4 (clear)	86	7	7	89	9	1.03	.99	95	.84	14	.90	1	1	25,714	101	137	>3200	77
Solar/Security Tinted Films																		
SA15CHSRPS4 (charcoal)	44	7	49	17	5	1.03	.66	99	.84	43	.26	34	81	25,714	101	137	>3200	77
SA35CHSRPS4 (charcoal)	56	7	37	38	6	1.03	.76	99	.84	34	.50	24	58	25,714	101	137	>3200	77
SA50CHSRPS4 (charcoal)	62	7	31	52	6	1.03	.81	99	.84	29	.64	19	42	25,714	101	137	>3200	77
SA15CHSRPS8 (charcoal)	44	7	49	17	5	1.03	.66	99	.84	43	.26	34	81	29,505	235	140	>2850	146
SA35CHSRPS8 (charcoal)	56	7	37	38	6	1.03	.76	99	.84	34	.50	24	58	29,505	235	140	>2850	146
SA50CHSRPS8 (charcoal)	62	7	31	52	6	1.03	.81	99	.84	29	.64	19	42	29,505	235	140	>2850	146
Solar/Security Tinted Reflective Films																		
ATR35CHSRPS4 (charcoal)	35	15	51	36	12	1.03	.56	99	.84	51	.64	44	60	25,714	101	137	>3200	77
ATR50CHSRPS4 (charcoal)	52	10	38	55	10	1.03	.72	99	.84	38	.76	28	39	25,714	101	137	>3200	77
Solar/Security Reflective/Sputtered Films																		
SSISRPS4 (silver)	12	55	33	15	60	.99	.24	99	.71	79	.63	76	83	25,714	101	137	>3200	77
SSISRPS8 (silver)	12	55	33	15	60	.94	.24	99	.71	79	.63	76	83	29,505	235	140	>2850	146
N1020SRPS4 (neutral)	22	26	52	24	31	1.03	.43	99	.84	63	.56	57	73	25,714	101	137	>3200	77
N1035SRPS4 (neutral)	36	16	48	41	18	1.03	.55	99	.84	53	.75	45	54	25,714	101	137	>3200	77
N1050SRPS4 (neutral)	44	13	43	50	15	1.03	.64	99	.84	45	.78	36	44	25,714	101	137	>3200	77
N1035SRPS8 (neutral)	36	16	48	41	18	1.03	.55	99	.84	53	.75	45	54	29,505	235	140	>2850	146
Graffiti Films																		
GCLSRPS4 (clear)	81	9	10	89	10	1.03	.97	95	.84	16	.92	2	1	N/A	N/A	N/A	N/A	N/A

LLumar glass treatment films are manufactured exclusively by **CPFilms Inc., a Unit of Solutia**. CPFilms is a member of the Association of Industrial Metallizers Coaters and Laminators. All data has been measured in accordance with ASTM, ASHRAE, and AIMCAL standards using NFRC methodology with LBNL's Window 5.0 software. See part number for film thickness in mils. *LLumar safety/security films conform to and have been tested to many internationally recognized standards. Please see the LLumar sample book for a complete listing.