



## Solar Control Films

	% Visible Light Transmittance	% Solar Energy Rejected	% Visible Light Reflected	% Ultraviolet Rejected
<b>Standard Dyed Films</b>				
LA05BKSHP (black)	7	44	5	95
LA15BKSHP (black)	17	41	6	95
LA35BKSHP (black)	36	34	6	95
LA50BKSHP (black)	49	29	6	95
<b>Premium Dyed Films</b>				
AT05GRSRHP (gray)	6	44	8	99
AT05CHSRHP (charcoal)	5	41	8	99
AT15GRSRHP (gray)	15	40	8	99
AT15CHSRHP (charcoal)	19	41	8	99
AT35GRSRHP (gray)	42	32	8	99
AT35CHSRHP (charcoal)	38	35	8	99
AT35GNSRHP (green)	35	35	7	99
AT50GRSRHP (gray)	55	26	8	99
AT50CHSRHP (charcoal)	55	28	8	99
<b>Premium Metallized Films</b>				
ATR05CHSRHP (charcoal)	5	63	8	99
ATR20CHSRHP (charcoal)	26	48	8	99
ATR20BRSRHP (bronze)	26	45	8	99
ATR35CHSRHP (charcoal)	38	44	8	99
ATR35BRSRHP (bronze)	38	44	8	99
ATR50CHSRHP (charcoal)	55	34	8	99
ATT05SSRHP2 (smoke)	0/5	79/40	60/8	99
ATT20SSRHP2 (smoke)	8/20	70/36	40/5	99
<b>Deluxe Metallized Films</b>				
ATN20NSRHP (neutral)	22	60	25	99
ATN35NSRHP (neutral)	35	53	22	99
<b>High Performance Sputtered Films</b>				
PP20LUSRHP (neutral)	24	63	29	99
PP35LUSRHP (neutral)	37	52	18	99
PP50LUSRHP (neutral)	50	41	13	99
<b>Ultra Performance Sputtered Films</b>				
PP60GNSRHP (green)	57	44	14	99
PP70AGSRHP (silver)	70	38	18	99
<b>SpectraSelect Films (Special installation instructions apply)</b>				
AVS60SRHP (neutral)	59	59	12	99.9
<b>Windscreen Films</b>				
AIR65GNSRHP (green)	63	43	8	99.9
AIR75SRHP (clear)	73	39	9	99.9
AIR80BLSRHP (blue)	78	43	9	99.9

## Safety & Security Films

	% Visible Light Transmittance	% Solar Energy Rejected	% Visible Light Reflected	% Ultraviolet Rejected	Tensile Strength (lb/in <sup>2</sup> ) Finished Film	Tensile Strength (lb/in <sup>2</sup> ) Raw Polyester	Break Strength (lb/in)	% Elongation at Break	Peel Strength (g/inch)	Puncture Strength (lb)
<b>Safety and Security Clear Films</b>										
SCLSRPS4 (4 mil clear)	89	16	10	95	33,100	32,000	132	>100	>2720	79
SCLSRPS7 (7 mil clear)	88	16	10	95	27,614	32,000	193	>100	>2720	145
<b>Solar Security Tinted Films</b>										
SA15CSRPS4 (4 mil charcoal)	17	43	5	99	25,714	32,000	101	>100	>2720	78
SA35CSRPS4 (4 mil charcoal)	38	34	6	99	25,714	32,000	101	>100	>2720	78
SA50CSRPS4 (4 mil charcoal)	52	29	6	99	25,714	32,000	101	>100	>2720	78
AIR65GNSRPS6 (6 mil green)	63	43	8	99.9	28,900	32,000	181	>100	>2720	111
SA15CSRPS8 (8 mil charcoal)	17	43	5	99	29,505	32,000	235	>100	>2720	156
SA35CSRPS8 (8 mil charcoal)	38	34	6	99	29,505	32,000	235	>100	>2720	156
SA50CSRPS8 (8 mil charcoal)	52	29	6	99	29,505	32,000	235	>100	>2720	156

LLumar automotive films offer an array of optically clear and tinted options that range from high-performance dyed films to metal combinations and top-of-the-line all metal films. Known for their quality and patented scratch-resistant coating, LLumar films are durable and virtually maintenance free.

**Solar Control Films** - LLumar solar control film keeps a car's interior cool and comfortable while reducing the load on the air conditioning system. LLumar's UV rejection protects your car's interior from fading and cracking.

**Safety & Security Films** - LLumar safety and security film holds shattered glass in place, thereby reducing the likelihood of personal injury in an accident, protecting property, and deterring smash and grab thieves.

**Windscreen Films** - LLumar windscreen films filter out the worst of the sun's heat and glare while letting light in so the driver has a clearer, more comfortable view of the road. Manufactured with a patent-pending hybrid matrix formula of corrosion-resistant metal oxides, LLumar windscreen films do not interfere with cell phones, radio reception, radar detectors, or global positioning systems.

All LLumar films are designed to meet international standards, come with a factory-backed warranty, and are professionally installed at dealerships around the world.

Typical solar properties with film mounted to 3mm clear glass. All values averaged from routinely accumulated quality control data. Please consult the LLumar Technical Website for the most recent product testing and performance data.