



APOLLO USA AUTOMOTIVE FILM SPECIFICATIONS

Film Series	Solar Energy			Visible Light			780-2500nm	Automotive Lifetime Warranty					
	T	A	R	T	R-INT	R-EXT	IRR	SC	TSER	SHGC	GR	UVR	WARRANTY
SKY 05%	6.6	86.5	7.0	5	5.9	7.5	95.6	0.39	69.4	0.33	89%	99%	LIFETIME
SKY 20%	15.7	77.0	7.3	20	6.3	8.2	94.4	0.42	62.7	0.37	75%	99%	LIFETIME
SKY 35%	18.6	73.8	7.6	35	6.7	8.8	96.2	0.47	60.6	0.41	52%	99%	LIFETIME
SKY 50%	26.8	64.8	8.4	50	7.8	9.8	95.0	0.52	54.6	0.46	45%	99%	LIFETIME
SKY 70%	42.0	51.0	7.0	72	9.0	9.0	93.0	0.64	42.0	0.56	34%	99%	LIFETIME

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COOL-IR 05%	12	81.0	7	4	6	7.0	89	0.41	66	0.35	90%	99%	LIFETIME
COOL-IR 20%	24	70.0	6	20	6	6.1	84	0.51	60	0.45	75%	99%	LIFETIME
COOL-IR 35%	31	61.0	8	35	7	9.0	83	0.57	58	0.50	55%	99%	LIFETIME
COOL-IR 40%	36	56.0	8	40	8	9.0	82	0.61	54	0.53	50%	99%	LIFETIME
COOL-IR 50%	41	50.3	8	51	8	10	79	0.66	51	0.57	45%	99%	LIFETIME

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CSX 05%	17.0	78	5.2	6.5	8	5.4	62	0.45	61.2	0.39	91%	99%	LIFETIME
CSX 15%	28.6	66	5.7	16	8.1	5.5	48	0.51	53.0	0.44	82%	99%	LIFETIME
CSX 20%	32.3	61	6.0	19.9	8.2	5.7	44	0.57	49.8	0.49	75%	99%	LIFETIME
CSX 35%	46.0	47	6.8	35	8.6	6.4	35	0.68	39.0	0.59	55%	99%	LIFETIME
CSX 40%	55.8	37	7.5	45.8	8.8	7	26	0.72	32.7	0.61	50%	99%	LIFETIME
CSX 50%	57.2	36	7.6	47.6	9.2	7.4	28	0.76	32.0	0.66	45%	99%	LIFETIME

Film Series	Solar Energy			Visible Light			IRR	SC	TSER	SHGC	GR	UVR	WARRANTY
	T	A	R	T	R-INT	R-EXT							
JSX 05%	30	65	5	5	4.9	4.9			42	0.58	92%	99%	LIFETIME
JSX 15%	36	58	6	15	5.0	5.0			39	0.62	83%	99%	LIFETIME
JSX 20%	44	50	6	20	5.1	5.0			36	0.65	76%	99%	LIFETIME
JSX 28%	51	43	6	28	5.5	5.4			33	0.67	67%	99%	LIFETIME
JSX 35%	58	36	6	35	5.6	5.6			32	0.69	55%	99%	LIFETIME
JSX 40%	61	33	6	40	5.9	5.7			30	0.71	52%	99%	LIFETIME
JSX 50%	64	30	6	50	6.2	6.1			28	0.73	45%	99%	LIFETIME

PARAMETERS

SOLAR ENERGY	IRR INFRA RED REJECTION
T TRANSMITTANCE	SC SHADING COEFFICIENT
A ABSORBANCE	TSER TOTAL SOLAR ENERGY REJECTED
R REFLECTANCE	SHGC SOLAR HEAT GAIN COEFFICIENT
VISIBLE LIGHT	GR GLARE REDUCTION
T TRANSMITTANCE	UVR ULTRA VIOLET REJECTED
R-INT REFLECTANCE INTERIOR	
R-EXT REFLECTANCE EXTERIOR	