

Safety and Security Window Film Comparison Chart



	% Total Solar energy			%Visible light												Strength		
FILM	Transmitted	Energy Reflected	Energy Absorbed	Transmitted	Reflected Exterior	Reflected Interior	Glare Reduction	Solar Heat Gain Coefficient	Shading Coefficient	Luminous Efficacy	Total Solar Energy Rejection	IR Rejection	U-Factor	Eminisivity	UV Rejection	Tensile Strength	Break Strength	Peel Strength
Clear Safety Film																		
4 Mil	82%	8%	9%	89%	9%	9%	1%	0.85	0.98	0.91	15%	15%	1.04	0.87	99%	25,000 PSI Avg. MD/TD	100 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
7 Mil	81%	8%	11%	89%	9%	9%	1%	0.85	0.97	0.91	15%	24%	1.07	0.91	99%	25,000 PSI Avg. MD/TD	175 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
8 Mil	79%	8%	13%	87%	10%	9%	3%	0.83	0.95	0.92	17%	28%	1.07	0.90	99%	25,000 PSI Avg. MD/TD	200 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
12 Mil	78%	8%	14%	87%	9%	9%	4%	0.82	0.95	0.93	17%	28%	1.05	0.88	99%	25,000 PSI Avg. MD/TD	325 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
4 Mil Anti-Graffiti	84%	9%	7%	90%	9%	9%	0%	0.85	0.99	0.91	15%	18%	1.10	0.95	99%	N/A	N/A	N/A
6 Mil Anti-Graffiti	81%	9%	10%	87%	10%	10%	3%	0.84	0.96	0.91	16%	23%	1.04	0.87	99%	N/A	N/A	N/A
Solar Safety Film																		
4 Mil Silver 20	13%	53%	34%	18%	57%	57%	80%	0.22	0.25	0.71	78%	94%	0.91	0.60	99%	25,000 PSI Avg. MD/TD	100 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
4 Mil Silver 40	34%	28%	38%	44%	28%	26%	51%	0.45	0.51	0.87	55%	79%	0.95	0.68	99%	25,000 PSI Avg. MD/TD	100 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
8 Mil Silver 20	13%	52%	35%	17%	57%	58%	81%	0.22	0.25	0.70	78%	94%	0.9	0.58	99%	25,000 PSI Avg. MD/TD	200 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
8 Mil Silver 40	34%	28%	38%	44%	28%	27%	51%	0.45	0.51	0.86	55%	80%	0.96	0.70	99%	25,000 PSI Avg. MD/TD	200 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
8 Mil Gray 35	30%	18%	52%	36%	15%	22%	60%	0.45	0.52	0.69	55%	73%	0.98	0.73	99%	25,000 PSI Avg. MD/TD	200 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch
8 Mil Gray 45	37%	16%	47%	44%	14%	17%	51%	0.50	0.58	0.76	50%	79%	0.97	0.73	99%	25,000 PSI Avg. MD/TD	200 lbs. Per Inch (Width)	5 to 6 lbs. Per Inch

The performance data shown is based on film applied to 1/8" clear, monolithic, annealed glass. Technical values reported are typical properties and should not be used as a specification. The user alone is aware of the specific conditions in which the product is to be applied, therefore, it is their responsibility to determine the suitability of the product for that intended application. If you need more comprehensive information or guidance, contact Maxpro or your local Maxpro Window film dealer. Rev 10/25