





















Security & Safety Data Table




Safety films, clear (scratch resistant)												
Film Type	Visible Light Transmittance	Visible Light Reflected	UV Rejected	Total Sol. Energy Rejected	Total Sol. Energy Transmitted	Total Sol. Energy Reflected	Total Sol. Energy Absorbed	Shading Coefficient	Solar Heat Gain Coeff. (G Value)	Emissivity	Adhesive	PDF
4 Mil Clear	89%	10%	96%	16%	81%	9%	10%	0.96		0.84	P.S.	
7 Mil Clear	89%	10%	96%	16%	81%	10%	9%	0.96		0.84	P.S.	
8 Mil Clear	88%	11%	99%	17%	80%	9%	11%	0.95		0.84	P.S.	
12 Mil Clear	87%	11%	99%	18%	78%	10%	12%	0.94		0.84	P.S.	
15 Mil Clear	87%	11%	99%	18%	78%	11%	11%	0.94		0.84	P.S.	

Combined Solar-Safety Films (scratch resistant)												
Film Type	Visible Light Transmittance	Visible Light Reflected	UV Rejected	Total Sol. Energy Rejected	Total Sol. Energy Transmitted	Total Sol. Energy Reflected	Total Sol. Energy Absorbed	Shading Coefficient	Solar Heat Gain Coeff. (G Value)	Emissivity	Adhesive	PDF
Silver												
4 Mil Silver 20	19%	61%int 60% ext	99%	77%	14%	53%	33%	0.27		0.74	P.S.	
9 Mil Silver 20	20%	61% int 57% ext	99%	75%	15%	50%	35%	0.30		0.91	P.S.	
12 Mil Silver 20	18%	62% int 61% ext%	99%	77%	13%	53%	34%	0,27		0.88	P.S.	
Cold Steel												
6 Mil ColdSteel 35	40%	16% int 18% ext	99%	56%	29%	19%	52%	0.52		0.90	P.S.	
6 Mil ColdSteel 50	52%	16% int 17% ext	99%	56%	29	19%	52%	0.52		0.90	P.S.	
10 Mil ColdSteel 35	40%	17% int 17% ext	99%	52%	30%	18%	52%	0.53		0.91	P.S.	

10 Mil ColdSteel 50	52%	16% int 16% ext	99%	45%	43%	17%	40%	0.64		0.92	P.S.	
6 Mil ColdSteel 70	62%	15% int 19% ext	99%	36%	55%	16%	28%	0.74		0.91	P.S.	
Matte												
5 Mil Matte	58%	25%	98%	38%	55%	20%	25%	0.72		0.90	P.S.	
12 Mil Matte	55%	28%	99%	40%	52%	23%	26%	0.69		0.90	P.S.	
OptiTune												
OptiTune 30, 10 mil	36%	Int 22% ext 25%	99.9%	58%	28%	26%	46%	0.49		0.90	P.S.	
OptiTune 22, 5 mil	21%	15% int 32% ext	99.9%	68%	18%	32%	50%	0.38		0.82	P.S.	

Anti-Graffiti Films (scratch resistant)												
Film Type	Visible Light Transmitted	Visible Light Reflected	UV Rejected	Total Sol. Energy Rejected	Total Sol. Energy Transmitted	Total Sol. Energy Reflected	Total Sol. Energy Absorbed	Shading Coefficient	Solar Heat Gain Coefficient (G Value)	Emissivity	Adhesive	PDF
4 mil Anti-Graffiti											P.S.	
6 Mil Anti-Graffiti	85%	11%	93%	19%	75%	10%	15%	0.92			P.S.	
6 Mil Anti-Graffiti Xtra, SR Exterior	88%	10%	100%	17%	80%	10%	10%	0.95		0.84	P.S.	

Exterior Films												
Film Type	Visible Light Transmitted	Visible Light Reflected	UV Rejected	Total Sol. Energy Rejected	Total Sol. Energy Transmitted	Total Sol. Energy Reflected	Total Sol. Energy Absorbed	Shading Coefficient	Solar Heat Gain Coefficient (G Value)	Emissivity	Adhesive	PDF

4 Mil Clear Xtra	88%	10%	100%	17%	80%	10%	10%	0.96		0.84	P.S.	
5 Mil Silver 20 Xtra	17%	62% int 63% ext	100 %	81%	13%	64%	23%	0.23		0.84	P.S.	
7 Mil Clear Xtra	88%	10%	99.9%	18%	80%	9%	11%	0.96		0.84	P.S.	

Performance results are calculated on 3mm glass using NFRC methodology and LBNL Window 5.2 software, and are subject to variations in process conditions within industry standards and are only intended for estimating purposes.