



% Visible Light

% Total Solar Energy

Film	% Visible Light				% Total Solar Energy				Shading Coefficient (SC)	Solar Heat Gain Coefficient (SHGC)	U Factor	UV Rejection	Emissivity	Light to Solar Gain	Total Solar Energy Rejected (TSER)	IR Rejection*	Infrared Energy Rejection (IRER)
	Trans.	Reflected External	Reflected Internal	Glare Reduction	Trans.	Reflected External	Absorbed										
SafetyShield® 700	88%	9%	9%	1%	75%	7%	18%	0.93	0.81	1.05	≥ 99%	0.91	1.09	20%	32%	23%	
SafetyShield® 800	87%	9%	10%	2%	74%	8%	18%	0.92	0.80	1.05	≥ 99%	0.90	1.09	20%	34%	24%	
SafetyShield® 1500	85%	10%	10%	4%	71%	8%	21%	0.89	0.78	1.04	≥ 99%	0.90	1.10	22%	41%	27%	
SafetyShield® 800 RS 40	44%	28%	27%	51%	31%	24%	45%	0.51	0.44	0.95	≥ 99%	0.70	0.99	56%	83%	62%	
SafetyShield® 800 RS 20	17%	56%	58%	81%	12%	45%	43%	0.27	0.23	0.88	≥ 99%	0.58	0.74	77%	95%	78%	
SafetyShield® 800 DG 45	43%	14%	17%	51%	34%	14%	52%	0.57	0.49	0.95	≥ 99%	0.71	0.88	51%	76%	55%	
SafetyShield® 800 DG 35	36%	15%	22%	60%	28%	15%	57%	0.51	0.45	0.96	≥ 99%	0.73	0.80	55%	82%	59%	
SafetyShield® 800 Optivision® 15	14%	49%	20%	85%	14%	41%	46%	0.31	0.27	0.94	≥ 99%	0.69	0.52	73%	91%	69%	
SafetyShield® 800 Optivision® 25	26%	29%	15%	71%	25%	26%	49%	0.45	0.39	0.96	≥ 99%	0.72	0.65	61%	82%	55%	
SafetyShield® 800 Nova 70	65%	26%	27%	27%	43%	30%	27%	0.58	0.51	0.94	≥ 99%	0.68	1.28	49%	81%	56%	

Read in accordance with National Fenestration Rating Council (NFRC) standards and calculated on single pane 6mm (1/4") clear glass.

\*IR Rejection is tested in the IR range of 780 to 2500 nanometers.

Reported values are typical properties and should not be used as a specification. Since only the user is aware of the specific conditions in which the product is to be used, it is the user's responsibility to determine whether the product is suitable for that intended use. If the specific conditions of use are critically dependent on any of the properties of the product, or if you need further information, contact Madico, Inc. or your local Madico film dealer.



Physical Properties	Film Thickness	Structural Component	Structure	Adhesive Type	Longitudinal Tensile Strength	Traverse Tensile Strength	Break Strength	Longitudinal Elongation at Break	Traverse Elongation at Break	Yield Strength	Elongation at Yield	Peel Strength
SafetyShield® 700	0.008"	0.007"	Single Ply	 Acrylic Pressure Sensitive	 28,000 PSI Avg. MD/TD	 36,000 PSI Avg. MD/TD	210 lbs. Per Inch (Width)	150%	100%	14,000 PSI Avg. MD/TD	120%	 5 to 6 lbs. Per Inch Width
SafetyShield® 800	0.0095"	0.008"	Multi-Ply Laminate				240 lbs. Per Inch (Width)					
SafetyShield® 1500	0.017"	0.015"	Multi-Ply Laminate				450 lbs. Per Inch (Width)					
SafetyShield® 800 RS 40	0.010"	0.0085"	Multi-Ply Laminate				240 lbs. Per Inch (Width)					
SafetyShield® 800 RS 20	0.010"	0.0085"	Multi-Ply Laminate				240 lbs. Per Inch (Width)					
SafetyShield® 800 DG 45	0.010"	0.0085"	Multi-Ply Laminate				240 lbs. Per Inch (Width)					
SafetyShield® 800 DG 35	0.010"	0.0085"	Multi-Ply Laminate				240 lbs. Per Inch (Width)					
SafetyShield® 800 Optivision® 15	0.011"	0.0095"	Multi-Ply Laminate				240 lbs. Per Inch (Width)					
SafetyShield® 800 Optivision® 25	0.011"	0.0095"	Multi-Ply Laminate				240 lbs. Per Inch (Width)					
SafetyShield® 800 Nova 70	0.0105"	0.009"	Multi-Ply Laminate				240 lbs. Per Inch (Width)					

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