

Safety & Security Film Performance Specifications

Product Name	14 Total Solar Energy			14 Visible Light				Solar Heat Gain Coefficient	Ultraviolet Radiation	Solar Heat Gain Coefficient	Visible Light Transmittance	U Value	Acoustics	Life Span
	Total	Visible Light	Infrared	Total	Visible Light	Infrared	Total							
Standard Performance														
Clear 0.001	87%	89%	94%	94%	85%	87%	94%	0.85	0.99	0.99	0.76	0.35	120"	120"
Clear 0.002	84%	86%	91%	91%	82%	84%	91%	0.82	0.97	0.98	0.76	0.35	120"	120"
Clear 0.005	79%	81%	87%	87%	78%	80%	86%	0.80	0.95	0.98	0.76	0.35	120"	120"
Clear 0.010	71%	73%	80%	80%	70%	72%	80%	0.80	0.95	0.98	0.76	0.35	120"	120"
Quartz Glass 1/2" & 3/4"	84%	86%	91%	91%	82%	84%	91%	0.82	0.97	0.98	0.76	0.35	120"	120"
Quartz Glass 1/2" & 3/4"	81%	83%	89%	89%	80%	82%	88%	0.83	0.98	0.99	0.76	0.35	120"	120"
White 20 0.001	84%	86%	91%	91%	82%	84%	91%	0.82	0.97	0.98	0.76	0.35	120"	120"
White 20 0.002	81%	83%	89%	89%	80%	82%	88%	0.83	0.98	0.99	0.76	0.35	120"	120"
White 20 0.005	84%	86%	91%	91%	82%	84%	91%	0.82	0.97	0.98	0.76	0.35	120"	120"
White 20 0.010	81%	83%	89%	89%	80%	82%	88%	0.83	0.98	0.99	0.76	0.35	120"	120"
Neutral Gray 10 0.001	81%	83%	89%	89%	80%	82%	88%	0.83	0.98	0.99	0.76	0.35	120"	120"
Neutral Gray 10 0.002	84%	86%	91%	91%	82%	84%	91%	0.82	0.97	0.98	0.76	0.35	120"	120"
Neutral Gray 10 0.005	81%	83%	89%	89%	80%	82%	88%	0.83	0.98	0.99	0.76	0.35	120"	120"
Neutral Gray 10 0.010	84%	86%	91%	91%	82%	84%	91%	0.82	0.97	0.98	0.76	0.35	120"	120"
High Performance														
Product Name	VIS Transmittance	Infrared Coefficient	Structure	Visible Light	Total Solar Energy	Sound Strength	Ball Strength	Foot Strength						
Clear 0.001	0.800%	0.997	Single film	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						
Clear 0.002	0.800%	0.997	Single film	84% Visible Light	0.849% Total Solar Energy	175 Pounds Per Inch (Pounds)	175 Pounds Per Inch (Pounds)	175 Pounds Per Inch (Pounds)						
Clear 0.005	0.800%	0.997	Heat film laminate	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						
Clear 0.010	0.800%	0.997	Heat film laminate	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						
Quartz Glass 1/2" & 3/4"	0.800%	0.997	Single film	84% Visible Light	0.849% Total Solar Energy	175 Pounds Per Inch (Pounds)	175 Pounds Per Inch (Pounds)	175 Pounds Per Inch (Pounds)						
Quartz Glass 1/2" & 3/4"	0.800%	0.997	Heat film laminate	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						
White 20 0.001	0.800%	0.997	Heat film laminate	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						
White 20 0.002	0.800%	0.997	Heat film laminate	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						
White 20 0.005	0.800%	0.997	Heat film laminate	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						
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Neutral Gray 10 0.005	0.800%	0.997	Heat film laminate	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						
Neutral Gray 10 0.010	0.800%	0.997	Heat film laminate	84% Visible Light	0.849% Total Solar Energy	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)	100 Pounds Per Inch (Pounds)						

Based in accordance with National Fire Protection Association (NFPA) standards for 3000' clear glass.

* Performance exceeds the strength of 3/4" clear glass.

Performance values are general guidelines and based on the conditions specified herein. These values are not a warranty of the specific conditions of which the product is made or used in any particular application. It is the user's responsibility to determine whether the product is suitable for the intended use. The specific conditions of use are entirely dependent on the application. Installation of a film must include adequate surface preparation and proper handling techniques.