



Solar Gard® Safety & Security Window Films

Armorcoat® 8 Mil Clear

Performance Results

4 mm 4/12/4 mm

		4 mm	4/12/4 mm
Visible Light			
TR (%)	Transmittance	87	79
Solar Energy			
SIRR (%)	Selective IR Energy Rejection @280-2500nm	28	-
IRER (%)	IR Energy Rejection @780-2500nm	20	28
UV (%)	Blocked @300 to 380nm	>99	>99
TdW (%)	Fading factor Tdw-ISO @300-700nm	62	56
FR (%)	Fade reduction coefficient	27	24

Physical Properties

Tnom/T(μm)	Thickness Nominal / Overall	200/235
TS- kg/cm ²	Tensile strength	2110
ELONG	Elongation	>100%
PEEL-g/cm	Peel Strength	>985
YIELD-kg/cm ²	Yield Strength (at 5%)	21.6
BREAK-kg/cm	Break Strength	44.0
TEAR-kg	Strength (Graves)	6.0
PUNC-kg	Puncture Strength	64.0

Safety Testing*

EN 12600	Human Impact	1B1
EN 356	Resistance to Manual Attack	P1A
ISO 16933, GSA & ASTM	Blast Resistance	YES
Reaction to Fire (SBI EN 13823)		B-s1, d0
Reaction to Fire (EN 45545)		R1, HL1/HL2, HL3

*For details on available safety testing and test reports, consult www.solargard.com or inquire with your local authorized dealer/distributor



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