



Solar Gard® Safety & Security Window Films

Armorcoat® 11 Mil Clear

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	87	79
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Solar Energy

SIRR (%)	Selective IR Energy Rejection @280-2500nm	30	-
IRER (%)	IR Energy Rejection @780-2500nm	21	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	275/315
TS- kg/cm ²	Tensile strength	2110
ELONG	Elongation	>100%
PEEL-g/cm	Peel Strength	>985
YIELD-kg/cm ²	Yield Strength (at 5%)	29.7
BREAK-kg/cm	Break Strength	60.5
TEAR-kg	Strength (Graves)	8.3
PUNC-kg	Puncture Strength	83.9

Safety Testing*

EN 12600	Human Impact	1B1
EN 356	Resistance to Manual Attack	P2A
ISO 16933, GSA, ASTM & INERIS	Blast Resistance	YES
Reaction to Fire (SBI EN 13823)		B-s1, d0

*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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