



Solar Gard® Safety & Security Window Films

Sentinel™ Plus 4 Mil Clear

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%) Transmittance 89 81

Solar Energy

SIRR (%)	Selective IR Energy Rejection @280-2500nm	60	-
IRER (%)	IR Energy Rejection @780-2500nm	18	29
UV (%)	Blocked @300 to 380nm	>99	>99
TdW (%)	Fading factor Tdw-ISO @300-700nm	60	55
FR (%)	Fade reduction coefficient	20	26

Physical Properties

Tnom/T(µm)	Thickness Nominal / Overall	100/125
TS- kg/cm ²	Tensile strength	2110
ELONG	Elongation	>100%
PEEL-g/cm	Peel Strength	>985
YIELD-kg/cm ²	Yield Strength (at 5%)	10.8
BREAK-kg/cm	Break Strength	22.0
TEAR-kg	Strength (Graves)	3.0
PUNC-kg	Puncture Strength	30.0

Safety Testing*

EN 12600	Human Impact	YES
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

