

Solar Gard® Solar Control and Safety & Security Window Films

4 Mil Stainless Steel 35

Performance Results

4mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	44	40
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Solar Energy

TR (%)	Transmittance	41	33
IR (%)	IR Rejection 780 to 2500 nm	58	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
G	Solar Heat Gain Coefficient (G-value)	0,54	0,59
TSER (%)	Total Solar Energy Rejected	46	41
SHGR (%)	Solar Heat Gain Reduction	36	20
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	32	29
FR (%)	Fade Reduction Factor	62	61

Physical Properties

Tnom/T(μm)	Thickness Nominal / Overall	100/150
TS- kg/cm ²	Tensile strength	2,11
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
TEAR-kg	Tear Strength (Graves)	3
PUNC-kg	Puncture Strength	32

Safety Testing (For details on safety testing and test reports, consult www.solargard.com or contact your local authorized dealer/distributor.)

EN 12600	Human Impact	2B2
EN 356	Resistance to Manual Attack	N/A
ISO 16933, GSA or ASTM	Bomb Blast Resistance	N/A