

Solar Gard® Solar Control Window Films

Sterling 70

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	75	67
Re/Ri (%)	Reflectance Exterior/Interior	13/12	19/17
GL (%)	Glare Reduction	17	16

Solar Energy

TR (%)	Transmittance	58	48
A (%)	Absorptance	26	34
R (%)	Reflectance	16	18
IR (%)	IR Rejection 780 to 2500nm	59	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,75	0,73
G	Solar Heat Gain Coefficient (G-value)	0,65	0,63
SSI	Solar Selectivity Index (VLT/SHGC)	1,14	0,93
TSER (%)	Total Solar Energy Rejected	35	36
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	42	-
SHGR (%)	Solar Heat Gain Reduction	23	15

E	Emissivity	0,80	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,77	2,69
U Red (%)	Winter Heat Loss Reduction	2	1
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	52	47
FR (%)	Fade Reduction Factor	39	36

Physical Properties

Tnom / T(μm)	Thickness Nominal / Overall	50/75
TS - kg/cm²	Tensile strength	2100 kg
EPD	Environmental Product Declaration	YES