



Solar Gard® Solar Control Window Films

# Sterling 70

## Performance Results

4 mm      4/12/4 mm

### Visible Light

TR (%)	Transmittance	75	68
Re/Ri (%)	Reflectance Exterior/Interior	13/12	18/17
GL (%)	Glare Reduction	17	17

### Solar Energy

TR (%)	Transmittance	60	53
A (%)	Absorptance	24	28
R (%)	Reflectance	16	19
SIRR (%)	Selective IR Energy Rejection @280-2500nm	59	-
IRER (%)	IR Energy Rejection @780-2500nm	42	42
UV (%)	Blocked @300-380nm	>99	>99
G (%)	Solar heat gain coefficient (G-value)	.66	.65
SSI	Light to solar heat gain ratio (MLT/SHGC)	1.14	1.04
TSER (%)	Total solar energy rejected	34	35
TSER (%) -60°	Total solar energy rejected @60° angle	42	45
SSHGR (%)	Solar heat gain reduction	24	16
E	Emissivity		.80
U	Winter U-factor (W/m2 °C)	5.6	2.8
TdW (%)	Fading factor (Tdw-ISO @300-700nm)	52	47
FR (%)	Fade reduction coefficient	39	36

## Physical Properties

Tnom / T(μm)	Nominal thickness	50
TS - kg/cm <sup>2</sup>	Tensile strength	2110 kg/cm <sup>2</sup>
Reaction to Fire (SBI EN 13823)		B-s1, d0
Reaction to Fire (EN 45545)		R1, HL1/HL2, HL3

