



Solar Gard® Solar Control Window Films

Silver 20

Performance Results

	4 mm	4/12/4 mm
Visible Light		
TR (%) Transmittance	16	15
Re/Ri (%) Reflectance Exterior/Interior	58/58	58/59
GL (%) Glare Reduction	82	81
Solar Energy		
TR (%) Transmittance	12	11
A (%) Absorptance	35	41
R (%) Reflectance	53	48
SIRR (%) Selective IR Energy Rejection @280-2500nm	94	-
IRER (%) IR Energy Rejection @780-2500nm	84	73
UV (%) Blocked @300-380nm	>99	>99
G (%) Solar heat gain coefficient (G-value)	.20	.30
SSI Light to solar heat gain ratio (MLT/SHGC)	.82	.51
TSER (%) Total solar energy rejected	80	70
TSER (%) -60° Total solar energy rejected @60° angle	82	74
SSHGR (%) Solar heat gain reduction	77	61
E Emissivity		.70
U Winter U-factor (W/m ² °C)	5.4	2.7
TdW (%) Fading factor (Tdw-ISO @300-700nm)	14	13
FR (%) Fade reduction coefficient	84	82

Physical Properties

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

