



Solar Gard® Solar Control Window Films

Solar Bronze 20

Performance Results

		4 mm	4/12/4 mm
Visible Light			
TR (%)	Transmittance	22	20
Re/Ri (%)	Reflectance Exterior/Interior	37/36	39/36
GL (%)	Glare Reduction	76	75
Solar Energy			
TR (%)	Transmittance	13	12
A (%)	Absorptance	39	44
R (%)	Reflectance	48	44
SIRR (%)	Selective IR Energy Rejection @280-2500nm	96	-
IRER (%)	IR Energy Rejection @780-2500nm	87	77
UV (%)	Blocked @300-380nm	>99	>99
G (%)	Solar heat gain coefficient (G-value)	.21	.32
SSI	Light to solar heat gain ratio (MLT/SHGC)	1.04	.63
TSER (%)	Total solar energy rejected	79	68
TSER (%) -60°	Total solar energy rejected @60° angle	81	71
SSHGR (%)	Solar heat gain reduction	75	58
E	Emissivity		.66
U	Winter U-factor (W/m ² °C)	5.3	2.7
TdW (%)	Fading factor (Tdw-ISO @300-700nm)	13	12
FR (%)	Fade reduction coefficient	85	84

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

