Interior Film

Solar Gard® Solar Control Window Films

Sterling 60

Performance Results

		4 mm	4/12/4 mm
Visible Light			
TR (%)	Transmittance	64	58
Re/Ri (%)	Reflectance Exterior/Interior	17/16	22/19
GL (%)	Glare Reduction	29	29
Solar Energy			
TR (%)	Transmittance	49	43
A (%)	Absorptance	30	34
R (%)	Reflectance	21	23
SIRR (%)	Selective IR Energy Rejection @280-2500nm	70	-
IRER (%)	IR Energy Rejection @780-2500nm	53	49
UV (%)	Blocked @300-380nm	>99	>99
G (%)	Solar heat gain coefficient (G-value)	.56	.59
SSI	Light to solar heat gain ratio (VLT/SHGC)	1.13	.99
TSER (%)	Total solar energy rejected	44	41
TSER (%)-60°	Total solar energy rejected @60° angle	51	50
SSHGR (%)	Solar heat gain reduction	35	24
E	Emissivity	.76	
U	Winter U-factor (W/m2 °C)	5.5	2.8
TdW (%)	Fading factor (Tdw-ISO @300-700nm)	45	41
FR (%)	Fade reduction coefficient	47	45

Physical Properties

Tnom / T(µm) Nominal thickness	50
TS - kg/cm² Tensile strength	2110 kg/cm²
Reaction to Fire (SBI EN 13823)	B-s1, d0
Reaction to Fire (EN 45545)	R1, HL1/HL2, HL3

CERTIFIED ISO 14001 CERTIFIED

CERTIFIED ISO 9001 CERTIFIED

Solar Energy up to 44% Rejected

Visible Light up to 64% Transmission

UV up to 99% Rejection