Solar Gard® Solar Control Window Films

Clear Frost

Performance Results		4 mm	4/12/4 mm
Visible Light			
TR (%)	Transmittance	65	59
Re/Ri (%)	Reflectance Exterior/Interior	25/27	29/30
GL (%)	Glare Reduction	28	27
Solar Energy			
TR (%)	Transmittance	60	50
A (%)	Absorptance	21	29
R (%)	Reflectance	19	21
IR (%)	IR Rejection 780 to 2500nm	-	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,76	0,71
G	Solar Heat Gain Coefficient (G-value)	0,66	0,62
SSI	Solar Selectivity Index (VLT/SHGC)	0,85	0,85
TSER (%)	Total Solar Energy Rejected	33	37
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	-	-
SHGR (%)	Solar Heat Gain Reduction	22	16
E	Emissivity	0,87	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,96	2.82
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	45	41
FR (%)	Fade Reduction Factor	47	45

Physical Properties

Tnom / T(µm)	Thickness Nominal / Overall	50/75
TS - kg/cm²	Tensile strength	2100 kg

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