

Solar Gard® Solar Control Window Films

LX 80

Performance Results

4 mm 4/12/4 mm

Visible Light

TR (%)	Transmittance	80	72
Re/Ri (%)	Reflectance Exterior/Interior	9/10	15/15
GL (%)	Glare Reduction	12	12

Solar Energy

TR (%)	Transmittance	54	47
A (%)	Absorptance	26	31
R (%)	Reflectance	20	22
IR (%)	IR Rejection 780 to 2500nm	73	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
G	Solar Heat Gain Coefficient (G-value)	0,60	0,49
SSI	Solar Selectivity Index (VLT/SHGC)	1,33	1,18
TSER (%)	Total Solar Energy Rejected	40	39
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	47	-
SHGR (%)	Solar Heat Gain Reduction	31	21

E	Emissivity	0,78	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,60	2,80
U Red (%)	Winter Heat Loss Reduction	3	1
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	54	49
FR (%)	Fade Reduction Factor	36	34

Physical Properties

Tnom / T(µm)	Thickness Nominal / Overall	75
TS - kg/cm²	Tensile strength	2100 kg
EPD	Environmental Product Declaration	YES