

Solar Gard® Solar Control Window Films

# Black Opaque

## Performance Results

4 mm      4/12/4 mm

### Visible Light

TR (%)	Transmittance	0	0
Re/Ri (%)	Reflectance Exterior/Interior	13/7	13/7
GL (%)	Glare Reduction	100	100

### Solar Energy

TR (%)	Transmittance	0	0
A (%)	Absorptance	95	89
R (%)	Reflectance	11	11
IR (%)	IR Rejection 780 to 2500nm	-	-
UV (%)	UV blocked @300 to 380 nm	>99	>99
SC	Shading Coefficient	0,35	0,60
G	Solar Heat Gain Coefficient (G-value)	0,30	0,51
SSI	Solar Selectivity Index (VLT/SHGC)	0	0
TSER (%)	Total Solar Energy Rejected	70	49
TSER (%) -60°	Total Solar Energy Rejected at 60° angle	-	-
SHGR (%)	Solar Heat Gain Reduction	65	31

E	Emissivity	0,87	
U (W/m²K)	Winter U-Factor (W/m²°C)	5,96	2,74
U Red (%)	Winter Heat Loss Reduction	-	-
Tdw (%)	Fade Control UV Tdw-ISO @300 to 700 nm	0	0
FR (%)	Fade Reduction Factor	100	100

## Physical Properties

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