



Solar Gard® Solar Control Window Films

Sterling 40

Performance Results

| | 4 mm | 4/12/4 mm |
|--|-------|-----------|
| Visible Light | | |
| TR (%) Transmittance | 41 | 38 |
| Re/Ri (%) Reflectance Exterior/Interior | 33/30 | 35/31 |
| GL (%) Glare Reduction | 54 | 53 |
| Solar Energy | | |
| TR (%) Transmittance | 29 | 26 |
| A (%) Absorptance | 34 | 38 |
| R (%) Reflectance | 37 | 36 |
| SIRR (%) Selective IR Energy Rejection @280-2500nm | 87 | - |
| IRER (%) IR Energy Rejection @780-2500nm | 74 | 66 |
| UV (%) Blocked @300-380nm | >99 | >99 |
| G (%) Solar heat gain coefficient (G-value) | .37 | .44 |
| SSI Light to solar heat gain ratio (MLT/SHGC) | 1.13 | .87 |
| TSER (%) Total solar energy rejected | 63 | 56 |
| TSER (%) -60° Total solar energy rejected @60° angle | 68 | 62 |
| SSHGR (%) Solar heat gain reduction | 58 | 44 |
| E Emissivity | | .68 |
| U Winter U-factor (W/m ² °C) | 5.3 | 2.7 |
| TdW (%) Fading factor (Tdw-ISO @300-700nm) | 33 | 30 |
| FR (%) Fade reduction coefficient | 61 | 59 |

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 |

