



THERMAL & SOLAR ENERGY PERFORMANCE OF

EnergyTech Clear 10mm - Low E: (estimated)

Shading coefficient	U Value	R Value	UV transmission %	SHGC
.76	3.6	0.277	43	.65

Visible light		Solar		Max Sheet Size
Transmission %	Reflectance %	Transmission %	Reflectance %	
79	11	60	9	5100 x 3210mm

Note:

Visible, total solar and UV data are based on laboratory spectrophotometric measurements and reduced using Windows software for NFRC 100-2001 conditions. Performance of laminated glass is estimated using Optics software.

1. **Shading coefficient** – the ratio of solar heat gain through the glass relative to that through 3mm clear glass. The lower the number the better the performance.
2. **U Value** – measurement unit is watts per degree Celcius ($W/m^2°C$) and is a measure of the rate of heat gain or loss through glazing due to environmental differences between outdoor and indoor air.
3. **UV transmission** – the percentage of UV light transmitted measured in the light range of 300 – 380nm. The lower the number the better.
4. **SHGC (Solar Heat Gain Coefficient)** – the proportion of total solar radiation that is transferred through the glass at normal incidence. It comprises the direct solar transmission and the part of the solar absorption dissipated inwards by radiation and convection. The lower the number the better the solar performance.
5. **Visible light transmission** – percentage of normally incident visible light passing through the glass. The wave length range for visible light is 380 to 780nm. The higher the percentage the more daylight.
6. **Visible light reflectance** – percentage of normally incident visible light reflected toward the exterior.
7. **Solar transmission** – percentage of normally incident solar energy passing through the glazing. The wave lengths measured for solar energy is 300 to 2500nm.
8. **Solar reflectance** – percentage of normally incident solar energy reflected toward the exterior.

Temper  Shield®

TOUGHENED CURVED GLASS - BY GLASSHAPE LTD