

Glass-Gard Signature 45

Product Code: GGL 800 SIGNATURE 45

8 mil

Type: 2-ply Safety/Security

Color: Neutral



| 1/4 inches = 6 mm | Shading Coeff. | SHGC | Total Solar Energy Reject | Solar Reflect | Solar Absorb | Solar Transmit | Visible Light Reflect Ext/Int | Visible Light Transmit | Infrared Rejection | Luminous Efficacy | U.V. Trans. | Emissivity | "U" Value | Heat Reduction | Glare Reduction |
|-------------------------------|----------------|------|---------------------------|---------------|--------------|----------------|-------------------------------|------------------------|--------------------|-------------------|-------------|------------|-----------|----------------|-----------------|
| 1/4" Clear Single Pane | 0.65 | 0.56 | 43.50% | 10.30% | 47.80% | 41.90% | 12.6% / 10.0% | 51.30% | 64.00% | 0.79 | <1% | 0.83 | 1.00 | 31.40% | 41.80% |
| 1/4" Tinted Single Pane | 0.54 | 0.46 | 53.00% | 6.30% | 67.90% | 25.80% | 6.4% / 9.2% | 26.40% | 75.00% | 0.49 | <1% | 0.83 | 1.00 | 20.60% | 39.60% |
| 1/4" Double Pane Clear/Clear | 0.68 | 0.59 | 40.80% | 13.20% | 54.30% | 32.50% | 17.9% 12.2% | 45.80% | 73.80% | 0.67 | <1% | 0.83 | 0.49 | 16.20% | 41.40% |
| 1/4" Double Pane Tinted/Clear | 0.46 | 0.40 | 60.00% | 6.30% | 75.70% | 18.00% | 7.3% / 11.3% | 22.60% | 81.50% | 0.49 | <1% | 0.83 | 0.49 | 13.20% | 41.80% |

| | |
|--------------------------|-------|
| Peel Strength (lb./inch) | 5-7 |
| Break Tensile | 185.0 |
| Elongation at Break | >150% |
| Abrasion Resistance | <5% |
| Feet/Pounds of Energy | 75.0 |

Summary of Seasonal Conditions:

Temperature Inside
Temperature Outside
Solar Intensity
Wind Velocity

Mild Winter

68 F / 20 C
45 F / 7 C
0 Btu/hr-ft2
15 MPH / 9 KPH

Shading Coefficient calculated under SUMMER DAY conditions.

"U" Value calculated under MILD WINTER conditions.

"U" (W/m)

Notes:

1. Performance results were generated from testing film applied to 1/4" monolithic, annealed glass. Results have been calculated using the Lawrence Berkeley Lab's "Windows 5.2" software program. Tests, equipment and methods are in accordance with ASTM and NFRC standards. Performance results are subject to variations within industry standards.

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