

## Glass-Gard Signature 45

Product Code: GGL 400 SIGNATURE 45\*

4 mil

Type: 2-Ply Safety

Color: Neutral



\* Meets ANSI Z97.1 Unlimited Impact

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	0.66	0.57	42.60%	9.80%	47.60%	42.60%	12.0% / 9.7%	51.90%	62.70%	0.79	<1%	0.83	1.00	30.40%	41.10%
1/4" Tinted Single Pane	0.55	0.47	52.10%	5.90%	67.50%	26.60%	5.9% / 8.8%	27.00%	73.50%	0.49	<1%	0.83	1.00	19.10%	38.20%
1/4" Double Pane Clear/Clear	0.68	0.59	40.80%	12.90%	54.10%	33.10%	17.5% / 11.9%	46.30%	73.00%	0.68	<1%	0.83	0.49	16.20%	40.70%
1/4" Double Pane Tinted/Clear	0.46	0.40	60.00%	6.20%	75.50%	18.30%	7.2% / 10.9%	22.80%	80.70%	0.50	<1%	0.83	0.49	13.20%	41.20%

Peel Strength (lb./inch)	5-7
Break Tensile	125.0
Elongation at Break	>150%
Abrasion Resistance	<5%
Feet/Pounds of Energy	55.0

### Summary of Seasonal Conditions:

Temperature Inside	68 F / 20 C
Temperature Outside	45 F / 7 C
Solar Intensity	0 Btu/hr-ft <sup>2</sup>
Wind Velocity	15 MPH / 9 KPH

### Mild Winter

Shading Coefficient calculated under SUMMER DAY conditions.

"U" Value calculated under MILD WINTER conditions.

"U" (Wm)

### 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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