

Brilliant - Diamond Automotive Window Film



1/4 inches = 6 mm	Shading Coeff.	Total Solar Energy Reject	Solar Reflect	Solar Absorb	Solar Transmit	Visible Light Reflect (Ext.)	Visible Light Transmit	UV Trans.	Emissivity	"U" Value (S)	"U" Value (Wm)	"U" Value (Ws)	Heat Reduction	Glare Reduction
Brilliant 05	0.470	59.10%	14.60%	64.20%	21.20%	5.90%	4.80%	<1%	0.77	0.90	0.96	0.98	50.4	94.6
Brilliant 20	0.620	46.10%	8.30%	54.80%	36.90%	5.30%	21.80%	<1%	0.81	0.93	0.99	1.00	34.6	75.3
Brilliant 30	0.650	43.50%	9.10%	49.70%	41.20%	6.60%	33.70%	<1%	0.80	0.92	0.98	1.00	31.4	61.7
Brilliant 40	0.670	41.70%	8.70%	46.90%	44.40%	7.20%	39.10%	<1%	0.80	0.92	0.98	1.00	29.3	55.6
Brilliant 50	0.710	38.20%	9.40%	41.80%	48.80%	8.90%	50.30%	<1%	0.81	0.93	0.98	1.00	25.1	42.9

1/8 inches = 3 mm	Shading Coeff.	Total Solar Energy Reject	Solar Reflect	Solar Absorb	Solar Transmit	Visible Light Reflect (Ext.)	Visible Light Transmit	UV Trans.	Emissivity	"U" Value (S)	"U" Value (Wm)	"U" Value (Ws)	Heat Reduction	Glare Reduction
Brilliant 05	0.470	59.10%	15.40%	62.20%	22.40%	5.90%	4.90%	<1%	0.78	0.93	0.99	1.01	53.0	94.5
Brilliant 20	0.630	45.20%	8.70%	52.50%	38.80%	5.30%	22.20%	<1%	0.82	0.95	1.01	1.03	37.0	75.3
Brilliant 30	0.660	42.60%	9.40%	47.60%	43.00%	6.40%	34.10%	<1%	0.81	0.95	1.00	1.02	34.0	62.0
Brilliant 40	0.680	40.80%	9.10%	45.00%	45.90%	7.00%	39.50%	<1%	0.81	0.95	1.00	1.02	32.0	56.0
Brilliant 50	0.720	37.40%	9.60%	39.70%	50.70%	8.80%	50.70%	<1%	0.81	0.95	1.00	1.02	28.0	43.5

Summary of Seasonal Conditions:

	<u>Summer Day</u>	<u>Mild Winter</u>	<u>Severe Winter</u>
Temperature Inside	75 F / 24 C	68 F / 20 C	70 F / 21 C
Temperature Outside	89 F / 32 C	45 F / 7 C	0 F / -18 C
Solar Intensity	248.2 Btu/hr-ft2	0 Btu/hr-ft2	0 Btu/hr-ft2
Wind Velocity	7.5 MPH / 4.6 KPH	15 MPH / 9 KPH	15 MPH / 9 KPH

Shading Coefficient calculated under SUMMER DAY conditions.
 "U" (S) "U" Value calculated under SUMMER DAY conditions.
 "U" (Wm) "U" Value calculated under MILD WINTER conditions.
 "U" (Ws) "U" Value calculated under SEVERE WINTER conditions.

Notes:

- Performance results were generated from testing film applied to 1/4" and 1/8" clear, 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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