

## Marquise - 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
Marquise 14	0.380	66.90%	13.00%	76.20%	10.80%	16.90%	11.70%	<1%	0.83	1.13	1.03	1.08	59.9	86.7
Marquise 20	0.430	62.60%	14.40%	68.40%	17.20%	18.00%	19.80%	<1%	0.85	1.13	1.04	1.09	54.6	77.5
Marquise 32	0.500	56.50%	11.50%	63.40%	25.10%	14.10%	28.90%	<1%	0.85	1.12	1.04	1.09	47.3	67.2
Marquise 38	0.570	50.40%	10.20%	56.50%	33.30%	12.40%	38.50%	<1%	0.86	1.11	1.04	1.09	39.9	56.3
Marquise 50	0.650	43.50%	10.00%	47.00%	43.00%	12.87%	48.30%	<1%	0.85	1.09	1.04	1.09	31.4	45.2

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
Marquise 14	0.370	67.80%	15.30%	73.90%	10.80%	18.60%	11.10%	<1%	0.83	1.15	1.05	1.10	63.0	87.6
Marquise 20	0.440	61.70%	16.00%	65.40%	18.60%	18.60%	20.30%	<1%	0.86	1.15	1.07	1.12	56.0	77.4
Marquise 32	0.510	55.60%	12.50%	61.20%	26.30%	14.40%	28.80%	<1%	0.86	1.14	1.07	1.12	49.0	67.9
Marquise 38	0.600	47.80%	11.00%	52.90%	36.10%	12.40%	39.00%	<1%	0.87	1.14	1.07	1.12	40.0	56.6
Marquise 50	0.680	40.80%	10.70%	43.10%	46.20%	13.10%	49.20%	<1%	0.86	1.11	1.07	1.12	32.0	45.2

### 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:

1. 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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