Radiant - Diamond Automotive Window Film

DIAMOND™
AUTOMOTIVE WINDOW FILMS

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
Radiant 05	0.410	64.30%	18.60%	65.10%	16.30%	7.70%	4.90%	<1%	0.75	0.89	0.95	0.97	56.8	94.4
Radiant 15	0.540	53.00%	10.60%	61.30%	28.10%	6.90%	14.70%	<1%	0.81	0.93	0.99	1.00	43.0	83.3
Radiant 20	0.550	52.10%	11.10%	58.20%	30.70%	6.20%	21.10%	<1%	0.76	0.90	0.96	0.98	42.0	76.0
Radiant 35	0.670	41.70%	8.00%	48.00%	44.00%	6.60%	40.10%	<1%	0.82	0.93	0.99	1.01	29.3	54.5
Radiant 50	0.740	35.60%	7.60%	41.00%	51.40%	7.80%	54.40%	<1%	0.86	0.95	1.02	1.03	21.9	38.3

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
Radiant 05	0.410	64.30%	21.60%	60.60%	17.80%	7.40%	5.00%	<1%	0.76	0.92	0.98	1.00	59.0	94.4
Radiant 15	0.550	52.10%	12.40%	56.60%	31.00%	7.40%	14.90%	<1%	0.82	0.95	1.01	1.03	45.0	83.4
Radiant 20	0.570	50.40%	12.40%	54.00%	33.60%	5.90%	21.50%	<1%	0.77	0.92	0.98	1.00	43.0	76.1
Radiant 35	0.700	39.10%	8.90%	43.70%	47.40%	6.80%	40.70%	<1%	0.83	0.96	1.02	1.03	30.0	54.7
Radiant 50	0.760	33.90%	8.30%	36.50%	55.20%	7.90%	55.30%	<1%	0.87	0.98	1.04	1.05	24.0	38.4

Summary of Seasonal Conditions:

	Summer Day	Mild Winter	Severe Winter
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.

2. This data is provided for information purposes only and is not to be considered part of the basis of any bargain or transaction involving Solamatrix, Inc. products. The included data does not constitute a recommendation for, endorsement of, or certification of the product or material tested. Solamatrix, Inc., makes no representation or warranty, expressed or implied, including the implied warranties of merchantability or fitness for a particular purpose, that its products will conform to this test data. Solamatrix's limited warranty should be carefully reviewed prior to purchasing any Solamatrix product. Extrapolation of data from the sample or samples relating to the batch or lot from which data was obtained may not correlate and should be interpreted accordingly with caution. Solamatrix shall not be responsible for variations in quality, composition, appearance, performance, or other features of similar subject matter produced by persons or under conditions over which Solamatrix has no control.