

Endurance - Sun-Gard 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
Endurance 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
Endurance 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
Endurance 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
Endurance 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
Endurance 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
Endurance 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
Endurance 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
Endurance 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
Endurance 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
Endurance 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-ft ²	0 Btu/hr-ft ²	0 Btu/hr-ft ²
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.