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

		Total Solar				Visible Light	Visible			"U"	"U"	"U"		
	Shading	Energy	Solar	Solar	Solar	Reflect	Light	UV		Value	Value	Value	Heat	Glare
1/8 inches = 3 mm	Coeff.	Reject	Reflect	Absorb	Transmit	(Ext.)	Transmit	Trans.	Emissivity	(S)	(Wm)	(Ws)	Reduction	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:

	Summer Day	Mild Winter	Severe Winter	Shading Coefficient calculated under SUMMER DAY conditions.
Temperature Inside	75 F / 24 C	68 F / 20 C	70 F / 21 C	"U" (S) "U" Value calculated under SUMMER DAY conditions.
Temperature Outside	89 F / 32 C	45 F / 7 C	0 F / -18 C	"U" (Wm) "U" Value calculated under MILD WINTER conditions.
Solar Intensity	248.2 Btu/hr-ft2	0 Btu/hr-ft2	0 Btu/hr-ft2	"U" (Ws) "U" Value calculated under SEVERE WINTER conditions.
Wind Velocity	7.5 MPH / 4.6 KPH	15 MPH / 9 KPH	15 MPH / 9 KPH	

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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