Shadow - 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
Shadow 05	0.710	38.20%	5.60%	47.50%	46.90%	4.50%	6.20%	<1%	0.86	0.95	1.02	1.03	25.1	93.0
Shadow 20	0.760	33.90%	5.70%	40.20%	54.10%	4.80%	22.50%	<1%	0.86	0.95	1.02	1.03	19.8	74.5
Shadow 32	0.780	32.10%	6.20%	37.30%	56.50%	4.90%	30.80%	<1%	0.84	0.94	1.00	1.02	17.7	65.0
Shadow 38	0.820	28.70%	5.70%	32.80%	61.50%	5.20%	42.00%	<1%	0.86	0.95	1.02	1.03	13.5	52.3
Shadow 50	0.840	26.90%	6.50%	29.90%	63.60%	5.90%	49.50%	<1%	0.84	0.94	1.00	1.02	11.4	43.8

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
Shadow 05	0.730	36.50%	5.80%	44.90%	49.30%	4.50%	6.20%	<1%	0.87	0.98	1.04	1.05	27.0	93.1
Shadow 20	0.780	32.10%	5.90%	37.40%	56.70%	4.80%	22.60%	<1%	0.87	0.98	1.04	1.05	22.0	74.8
Shadow 32	0.800	30.40%	6.50%	34.40%	59.10%	5.00%	30.90%	<1%	0.85	0.97	1.03	1.04	20.0	65.6
Shadow 38	0.840	26.90%	6.10%	29.80%	64.10%	5.40%	42.20%	<1%	0.87	0.98	1.04	1.05	16.0	53.0
Shadow 50	0.850	26.10%	6.90%	26.90%	66.20%	6.10%	49.70%	<1%	0.85	0.97	1.03	1.04	15.0	44.7

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.

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