

Black Pearl HP - 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
Black Pearl HP 04	0.540	53.00%	8.70%	64.10%	27.20%	4.70%	3.90%	<1%	0.81	0.93	0.98	1.00	43.0%	95.6%
Black Pearl HP 15	0.570	50.40%	8.40%	60.80%	30.80%	5.20%	14.60%	<1%	0.82	0.93	0.99	1.01	39.9%	83.4%
Black Pearl HP 22	0.590	48.70%	8.00%	58.90%	33.10%	5.60%	22.50%	<1%	0.81	0.92	0.98	1.00	37.8%	74.5%
Black Pearl HP 32	0.650	43.50%	8.30%	51.10%	40.60%	6.30%	33.20%	<1%	0.84	0.94	1.00	1.02	31.4%	62.3%
Black Pearl HP 38	0.670	41.70%	8.90%	47.00%	44.10%	7.70%	40.10%	<1%	0.84	0.94	1.00	1.02	29.3%	54.5%

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
Black Pearl HP 04	0.540	53.00%	8.70%	63.30%	28.00%	4.30%	3.70%	<1%	0.82	0.95	1.01	1.03	46.0%	95.9%
Black Pearl HP 15	0.580	49.50%	8.30%	59.90%	31.80%	4.80%	14.60%	<1%	0.83	0.96	1.02	1.03	42.0%	83.7%
Black Pearl HP 22	0.600	47.80%	8.50%	56.10%	35.40%	5.50%	22.80%	<1%	0.82	0.95	1.01	1.03	40.0%	74.6%
Black Pearl HP 32	0.660	42.60%	8.40%	49.70%	41.90%	6.30%	33.20%	<1%	0.85	0.97	1.03	1.04	34.0%	63.0%
Black Pearl HP 38	0.680	40.80%	9.00%	45.90%	45.10%	7.40%	40.20%	<1%	0.85	0.97	1.03	1.04	32.0%	55.2%

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-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.

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