

**POLYGAL POLYCARBONATE STRUCTURED SHEET (PCSS)--TECHNICAL DATA**

<b>PRODUCT</b>	<b>GAUGE</b> <b>E</b>	<b>Weight</b> <b>(lb/ft<sup>2</sup>)</b>	<b>Light transmission according to ASTM D1003 (%)</b>			<b>Min. radius cold bend arches</b>	<b>U-Factor</b> <b>Btu/(h/ft<sup>2</sup>/F)</b>	<b>R-Factor</b> <b>Btu/(h/ft<sup>2</sup>/F)</b>	<b>Shading Coefficient t</b>			<b>Solar Heat Gain Coefficient</b>			<b>Solar Reflection n</b>		
			<b>Clear</b>	<b>Bronze</b>	<b>Ice</b>				<b>Clear</b>	<b>Bronze</b>	<b>Ice</b>	<b>Clear</b>	<b>Bronze</b>	<b>Ice</b>	<b>Clear</b>	<b>Bronze</b>	<b>Ice</b>
4mm Std	5/32"	0.16	82%	42%	32%	2'3" (.7m)	0.69	1.449									
6mm Std	1/4"	0.27	80%	42%	32%	3'5" (1.05m)	0.63	1.587	0.880	0.670	0.540	0.750	0.580	0.470	0.193	0.124	0.450
6mm Freeze	1/4"	0.27	80%			3'5" (1.05m)	0.63	1.587	0.880			0.750			0.193		
8mm Std	5/16"	0.31	80%	42%	32%	4'7" (1.4m)	0.60	1.667	0.860	0.680	0.570	0.740	0.580	0.490	0.151	0.125	0.314
8mm TripleClear	5/16"	0.34		77%		6' (1.83m)	0.50	2.000		0.810			0.690			0.221	
10mm Std	3/8"	0.35	79%	42%	32%	5'9" (1/75m)	0.53	1.887	0.850	0.680	0.550	0.730	0.590	0.480	0.196	0.117	0.339
16mm Std	5/8"	0.55	70%	42%	32%	9'2" (2.8m)	0.41	2.439	0.790	0.650	0.560	0.680	0.560	0.480	0.223	0.157	0.373
8mm PolyShade	5/16"	0.34		18%		4'7" (1.4m)	0.60	1.667		0.330			0.290			0.321	
8mm PolyCoolite	5/16"	0.34		45%		4'7" (1.4m)	0.60	1.667		0.500			0.430			0.400	
8mm Primalite	5/16"	0.34		45%		4'7" (1.4m)	0.60	1.667		0.460			0.390			0.557	
16mm Primalite	5/8"	0.55		27%		9'2" (2.8m)	0.41	2.439		0.310			0.270			0.514	
16mm RFX (Selectogal)	1/8"	0.62	38%	42%	NGL-32%	9'2" (2.8m)	0.41	2.439	0.410	0.370	NGL-0.32	0.350	0.320	NGL-0.28	0.481	0.319	NGL-0.461
16mm Titan	5/8"	0.55	61%	42%	32%	9'2" (2.8m)	0.39	2.564	0.600	0.530	0.550	0.520	0.460	0.470	0.244	0.179	0.297
16mm Triple Clip	5/8"	0.55	70%	42%	32%	13'8" (4m)	0.41	2.439									
25mm Thermogal	1"	0.72	55%	20%	20%	14'9" (4.38m)	0.31	3.226	0.690	0.450	0.410	0.590	0.380	0.360	0.318	0.155	0.269