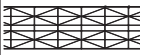
POLYGAL® MULTIWALL

PLASKOLITE

POLYGAL MWP MECHANICAL AND THERMAL PROPERTIES

Mechanical and thermal properties

Product	Structure	Thickness mm (in)	Weight g/m² (psf)	Standard Width mm (in)	Minimum Radius for Cold Bending Arches (m,in)	U-Factor* W/m2 x °C (BTU/hr/ ft2/°F)	Light Transmission (%)**			
							Bronze	NGL	Clear	Ice
Double and triple layered sheets		4mm (0.157")	800 (0.16psf)	980 (38.6") 1050 (41.3") 1200 (47.2") 1220 (48.0") 1250 (49.2") 2100 (82.7")	0.7 (27.6")	.9 (0.69)	42	-	82	32
		6mm (0.236")	1300 (0.23psf)		1.05 (41.3")	3.6 (0.63)	42	-	80	32
		8mm (0.315")	1500 (0.31psf)		1.4 (55.1")	3.3 (0.58)	42	25	80	32
		10mm (0.394")	1700 (0.35psf)		1.75 (68.9")	3.0 (0.52)	42	25	79	32
		16mm (0.630")	2700 (0.55psf)		2.8 (110")	2.3 (0.40)	42	35	72	32
Titan sky		10mm (0.394")	1750 (0.36psf)	1050 (41.3") 1200 (47.2") 2100 (82.7")	1.75 (68.9")	2.4 (0.42)	42	25	62	32
		16mm (0.630")	2500 (0.51psf)		2.8 (110")	2.1 (0.36)	42	25	61	32
Selectogal		16mm (0.630")	3000 (0.61psf)	1050 (41.3") 1200 (47.2")	2.8 (110")	2.3 (0.40)	42	32	68	-
Thermogal		20mm (0.787")	3500 (0.72psf)	1200 (47.2") 2100 (82.7")	3.6 (142")	1.9 (0.33)	20	20	56	20
		25mm (0.984")	3800 (0.78psf)		4.4 (173")	1.7 (0.30)	20	20 (51***)	55	20 (54***)
		32mm (1.26")	3800 (0.78psf)	980 (38.6") 1200 (47.2")	5.6 (220")	1.3 (0.23)	15	15 (47***)	50	15
Thermogal super		32mm (1.26")	3800 (0.78psf)		Not recommended	1.06 (0.19)	-	10	38	-

| * ASTM C177 TNO | ** ASTM D1003 | ***ASTM D1494

Available In Standard Colors	Standard Sheet Length	Thermal Expansion	Service Temp. Range
Clear, Ice, Nonglare (NGL), Blue, Bronze, Gray, Green, Turquoise	3m (9.8'), 4m (13.1'), 6m (19.7') Max. length: in accordance with handling restrictions	2.5mm/m (0.098"): Clear, Ice and NGL 4.5mm/m: (0.177"): dark colors (CiT*=80°C / CiT*=176°F)	-40°C–+120°C (-40°F to +248°F) for short time service, -25°C to +85°C (-13°F to 185°F) for prolonged service

*CiT = Change in Temperature

These suggestions and data are based on information we believe to be reliable. They are offered in good faith, but without guarantee, as conditions and methods of use are beyond our control. We recommend that the prospective user determines the suitability of our materials and suggestions before adopting them on a commercial scale.

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