POLYGAL® MULTIWALL

CURBELL PLASTICS
1-888-CURBELL
www.curbellplastics.com
Curbell Plastics is a proud supplier of Plaskolite materials.

MULTIWALL SHEET

POLYGAL® MultiWall sheet is a transparent thermoplastic cellular sheet. With excellent light transmission and thermal insulation POLYGAL MultiWall sheets are available in a large range of colors, shade and coatings. Thicknesses range from 6mm to 32mm. POLYGAL MultiWall sheet has a ten (10) year limited product warranty.

APPLICATIONS

- Greenhouses
- Canopies
- Interior Walls
- Data Centers
- Hurricane Shutters
- Bus Shelters
- Car Ports
- Covered Walkways
- Facades and Roofing

TYPICAL PROPERTIES

PROPERTY	TEST METHOD	UNITS	VALUES
PHYSICAL			
Specific Gravity	ASTM D1505	-	75
Light Transmission - Thickness Dependant	ASTM D1003	%	81-90
Water Absorption, 24 Hours	ASTM D570	%	0.15
MECHANICAL			
Tensile Strength @ Yield	ASTM D638	psi	8700
Tensile Modulus	ASTM D638	psi	333,000
Elongation @ Break	ASTM D638	%	>100
Elongation @ Yield	ASTM D638	%	6
Flexural Strength	ASTM D790	psi	338,000
Flexural Modulus of Elasticity	ASTM D256	psi	No Break
Izod Impact Strength – Milled Notched	ASTM D256	ft-lb/in	15
THERMAL			
Deflection Temperature @ 264 psi	ASTM D648	°F	290
Vicat Softening Temp @ 122 °F/h50N	ASTM D1525	°F	266
Thermal Conductivity	DIN 2612	W/m x °C	65
Coefficient of Linear Expansion 122 °F	ASTM D696		$3.6\ 10^{-5}$/ °F
ELECTRICAL			
Volume Resistivity	ASTM D257	Ohms - cm	3×10^{14}
Dissipation Factor 60Hz	ASTM D150		0.004

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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