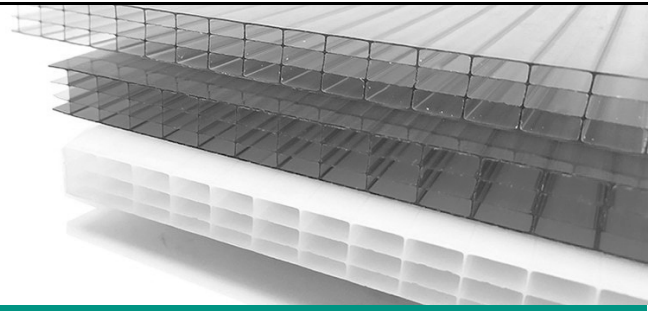


POLYCARBONATE SHEET

Fourwall (Four) Thicknesses 8mm



PRODUCT TECHNICAL DATA

Product description: 4-wall structure polycarbonate hollow sheet with one side co-extrusion UV layer

Benefits: UV resistant, high impact ,ten (10) years limited product warranty against breakage, yellowing, and loss of light transmission.

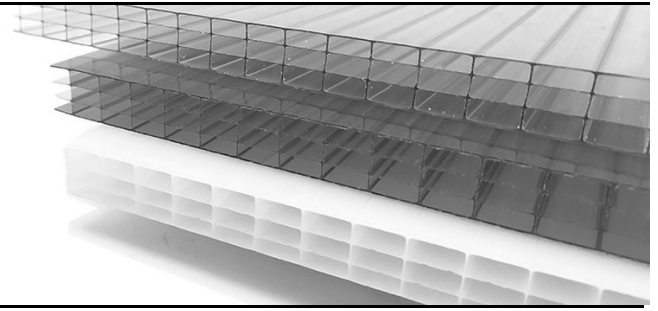
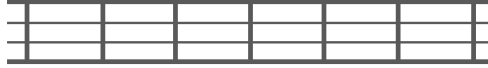
Application: construction, transportation, industry, etc.

Colors: TR001(Clear) WE002 (White) BN032 (Tea-brown) GY074 (Blue-gray)

Property	Standard	Condition	Unit	Values
Physical				
Density	ASTM D792	23°C	g/cm ³	1.2
Water Absorption	ASTM D570	24 hours	%	0.15
Poisson's Ratio	ASTM E132	-	-	0.38
Optical				
Light Transmission	ASTM D1003	TR001-8mm	%	65
		WE002-8mm	%	11
		BN032-8mm	%	13
		Gy074-8mm	%	15
Mechanical				
Tensile Strength, Ultimate	ASTM D638	50mm/min	Mpa	65
Tensile Strength, Yield	ASTM D638	50mm/min	Mpa	60
Tensile Modulus	ASTM D638	1 mm/min	Mpa	2350
Elongation at Break	ASTM D638	50mm/min	%	100
Flexural Strength	ASTM D790	2mm/min	Mpa	92
Flexural Modulus	ASTM D790	2mm/min	Mpa	2350
Notched Izod Impact	ASTM D256	23°C	J/m	850
Unnotched Izod Impact	ASTM D256	23°C	J/m	No Break

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Thermal

Heat Deflection Temperature	ASTM D648	1.82 Mpa 120°C/h	°C	127
		0.45 Mpa 120°C/h	°C	138
Vicat Softening Temperature	ASTM D1525	50N B120	°C	145
Coefficient of Thermal Expansion	ASTM D696	23-55°C	10 ⁻⁵ /K	6.6
U Factor	ASTM C1777	-	W/(m ² *°C)	2.7

Electrical

Surface Resistivity	IEC 60093	-	Ω	1.00E+16
Volume Resistivity	IEC 60093	-	Ω·m	1.00E+14


Flammability

*Oxygen index	ISO 4589-2	A	%	24
Fire Rating	EN13501	8mm	Class	B

NOTICE

- 1) These values are typical values only, not for specification purposes.
- 2) In case of colored products, these figures might vary slightly.

POLYFORTE

 Mody Plaza, 50mts Norte de la entrada principal de CENADA, Barreal, Heredia, Costa Rica.

 Barrio las Américas, 3.7km de Walmart, carretera al Aeropuerto, contiguo a Kato Rentals, Liberia, Costa Rica.

 www.polyforte.net

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