

Polygal PP

Polypropylene Structured Sheets

- Moisture - resistant and waterproof
- Highly resistant to mechanical damage
- Outstanding strength/weight ratio
- Resistant to a wide range of chemicals
- An excellent medium for printing
- Can be easily cut, marked and folded using home tools
- Long lasting
- Recyclable

Applications:

Signs - Outdoor and indoor illuminated signs

Displays - Exhibitions, commercial and industrial displays, etc.

Products - boxes, teaching aids, advertising aids, agricultural products - planters, flower boxes, etc.

Packaging - packages for special products, reusable packaging for food, pharmaceuticals, fragile materials, chemicals, trays, electronics etc.

UV Protection (optional)

Polygal PP Structured Sheets can be manufactured with protection against UV solar radiation by the addition of UV absorbing material.

Fire Retarding (optional)

A fire-retarding additive can be added to the sheet so that the flame retardancy level meets stringent standards. Polygal PP structural sheets meet UL 94 HB.

Surface Corona Treatment (optional)

The treatment level (printing surface quality) of the Polygal PP structural sheets is measured according to ASTM D-2578. The standard level is 38 dyne/cm.

Service temperature: -5°C to +85°C

Polygal is the leading manufacturer of structured sheets, and is known throughout the world for the outstanding quality of its products. Polygal was the first manufacturer in the world to create structured PC sheets, and over the last 35 years has developed and produced a broad spectrum of these products, which are successfully covering a full array of structures worldwide

Polygal Plastics Industries Ltd.

Ramat Hashofet, 1923800, Israel
T. +972-4-9596222 | F. +972-4-9596284

polygal@plazit-polygal.com
www.plazit-polygal.com



Technical Specifications

Thickness (mm)	Weight (g/m ²)
2.5	350 (400, 450)*
3	500 (550, 600)*
3.5*	550*
4	800 (700, 750, 1000)*
5	1000 (900, 950)*
6	1500

* Nonstandard weight, depends on special order

Material Properties	Unit	Test Method	Value
Density	g/cm ³	ASTM D-1505	0.9
Water absorption	%	ASTM D-570	0.03
Thermal expansion*	m/m•°C		0.000135
Flexural modulus of elasticity	MPa	ASTM D-790M	1150
Tensile strength at yield	%	ASTM D-638M	24
Elongation at yield	%	ASTM D-638M	13
Izod impact, notched at 23°C*	J/m	ASTM D-256	550
Izod impact, notched at -20°C*	J/m	ASTM D-256	60
H.D.T. 0.46 MPa*	°C	ASTM D-648	85

* Value of thermal coefficient multiply by °C for thermal expansion calculation