

PETG SHEET

August, 2024



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ULTRAPLAST PETG sheet is characterized by high transparency and glossiness, featuring good impact resistance to withstand strong pressure without cracking as well as exceptional flexibility which enables thermal vacuum molding and processing in various ways. It is a versatile material that is widely used in the medical, food industry, advertising production and in various types of printing. Contains no hazardous components such as bisphenol A and styrene.

ADVANTAGES:

- ✓ Highly transparent
- ✓ Impact strength
- ✓ Easy to process
- ✓ Pliable
- ✓ Chemically stable
- ✓ Moisture proof
- ✓ Fireproof
- ✓ Durable
- ✓ Food-safe plastic

APPLICATIONS:

- ✓ Displays
- ✓ Protective screens
- ✓ Separating walls
- ✓ Showcases
- ✓ Food containers
- ✓ Signage
- ✓ Poster frames
- ✓ Exhibition stands
- ✓ Medical equipment

PRODUCT RANGE:

OPTION	DESCRIPTION
Thicknesses:	0.6 / 1 / 1.5 / 2 / 3 / 4 / 5 / 6 / 8 / 10 / 12 mm
Sizes (Standard):	1250 x 2050 mm 2050 x 3050 mm
Colors:	Transparent 1010

SPECIFICATION & PERFORMANCE:

PROPERTIES		VALUE
Physical Properties		
	Density	1270 kg/m ³
	Water absorption in Water Equilibrium, 23°C	< 0.2% by weight
Mechanical Properties		
	Tensile strength	53 MPa
	Modulus of elasticity	2200 MPa
	Elongation at tear	40 %
Thermal Properties		
	Coefficient of linear thermal expansion 0-50°C	51 x 10 ⁻⁶ K ⁻¹
	Heat conductivity (l)	0,19 W/m.K
Optical Properties		
	Light transmission (3mm sheet)	88 %
	Refractive index (3mm sheet)	1,57
Electrical Properties		
	Volume resistivity	> 10 ¹⁵ Ohm.cm
	Surface resistivity	> 10 ¹⁶ Ohm
	Dielectric constant (1kHz)	2.60

COLD CURVING	Minimum bending radius = 150 x sheet thickness							
Thicknesses:	2mm	3mm	4mm	5mm	6mm	8mm	10mm	12mm
Min Radius (mm):	300	450	600	750	900	1200	1500	1800

FIRE RATING according EN 13501-1	
B s1 d0	1.5-6 mm

The technical data of our products are typical ones; the actually measured values are subject to production variations.

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