



PETG

Product Applications

Point of Sale, Signage, Machine Guards, Vending Machines, Medical Equipment.

Product Features

Excellent Thermoformability, Food Contact Approved, Good Impact Resistance, High Clarity, Digital and Screen Printing, Recyclable

PETG is a clear Polyester transparent sheet made from Thermoplastic co-polyester. It offers extreme clarity and light transmission in combination with a high gloss surface finish. PETG sheets have very good impact resistance even at low temperatures and are approved for food contact applications. PETG has outstanding thermoforming properties, short production cycles, extreme draw ratios and good mould reproduction without the need for pre drying. PETG can be cold formed and guillotined for brochure holders and displays. d guillotined for brochure holders and displays.

GENERAL			
Density	ISO1183	1.27 (0.0458)	g/cm ³ (lb/in ³)
Water Absorption	ISO62	0.3	%
MECHANICAL			
Tensile Strength	ISO527-2	50 (7252)	MPa (psi)
Elongation at Break	ISO527-2	54	%
Tensile Modulus	ISO527-2	2050 (297316)	MPa (psi)
Flexural Strength	ISO178	70 (10152)	MPa (psi)
Flexural Modulus	ISO178	2050 (297316)	MPa (psi)
Charpy Impact Strength, Notched	ISO179-1	7 (3.33)	kJ/m ² (ft-lb/in ²)
Izod Impact Strength, Notched	ISO180/1A	7 (3.33)	kJ/m ² (ft-lb/in ²)
THERMAL			
Vicat Softening Temperature, B50, Annealed	ISO306	79 (174)	°C (°F)
Heat Distortion Temperature, 1.8MPa	ISO75	64 (147)	°C (°F)
Linear Thermal Expansion	DIN53752	7	/°K x 10 ⁻⁵
Continuous Service Temperature	-	55 (131)	°C (°F)
Maximum Short Term Temperature	-	65 (149)	°C (°F)
Degradation Temperature	-	> 250 (>482)	°C (°F)
OPTICAL			
Light Transmission (3mm / 0.118")	DIN5036-3	87	%
Refractive Index	DIN5036-3	1.57	-

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