



A- PETG SHEET

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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