

PETG Sheet

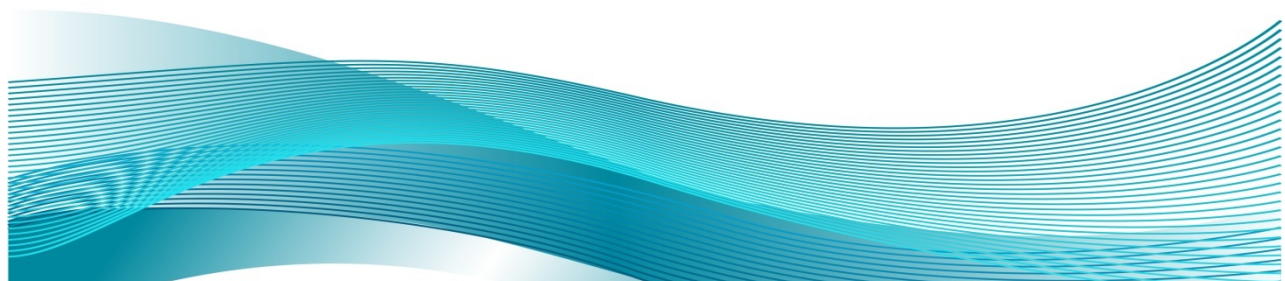
The high impact transparent PETG sheet is easy to fabricate and thermoform without pre-drying, offering fast cycle times, leading to significant cost savings.

The sheet gives excellent thermoforming definition and can be bent without sacrificing clarity.

The sheet is produced from FDA approved PETG resin and can be used in food contact applications. The sheet can also be purchased with customer specified levels of post-industrial regrind if required.

Product Data Sheet

Property	Unit	Test Method	Value
Physical			
Specific gravity	-	ISO 1183	1.27
Refractive Index	-	ISO 489	1.57
Light Transmission, Clear 1/8"	%	ISO 13468-1	88
Water Adsorption, equilibrium, 24hrs, 23 C, 50% RH	%	ISO 62	0.2
Mechanical			
Tensile Strength at break	MPa	ISO 527	55
Elongation at break	%	ISO 527	40
Elastic Modulus	N/mm ²	ISO 527	2,200
Flexural Modulus	N/mm ²	ISO 178	2,300
Izod notched impact at +23 C	KJ/m ²	ISO 180/1A	11.5
Thermal			
Heat deflection temperature, HDT A (1.80 N/mm ²)	°C	ISO 75	68
Heat deflection temperature, HDT B (0.45 N/mm ²)	°C	ISO 75	72
Linear coefficient of thermal expansion (23 – 70 C)	mm/mm/°K	ISO 11359-2	51 x 10 ⁻⁴



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Electrical			
Volume resistivity, dry	Ohm x cm	IEC 60093	10 ¹⁶
Surface resistivity, dry	Ohm	IEC 60093	10 ¹⁵
Dielectric strength, dry	KV/mm	IEC 60243	30
Dielectric constant, dry 1 MHz	-	IEC 60250	2.4
Dissipation factor, dry 1 MHz	-	IEC 60250	0.02

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