

Ultraflex PETG is a transparent material that is the ideal for applications that require die cuts and precise molded-in details without compromising the structural integrity of the material. The material is 100% virgin and has an anti-fog component. Ultraflex PETG is designed to be used in various applications such as face-mask shields, industrial, POP display and store fixture industries.

Physical	TEST METHOD	Metric	US
Specific Gravity/Relative Density	ASTM D1505	1.29 g/cm ³	.046 lb/in ³
Optical Refractive Index	ASTM D542	1.57	
Light Transmission -Total	ASTM D1003	90%	
Light Transmission - Haze	ASTM D1003	<1.0 %	
Water Absorption	ASTM D570	0.13 %	
Mechanical	TEST METHOD	Metric	US
Tensile Strength @Yield 50mm/min (2inch/min)	ASTM D638	50 Mpa	7251.89 psi
Tensile Strength @ Break (2inch/min)	ASTM D638	26 Mpa	3770.98 psi
Elongation @Yield (2inch/min)	ASTM D638	4.5 %	
Elongation @ Break (2inch/min)	ASTM D638	120%	
Flexural Strength 1.27mm/min (0.05inch/min)	ASTM D790	71 Mpa	10297.7 psi
Flexural Modulus 1.27mm/min (0.05inch/min)	ASTM D790	2150 Mpa	311831.1 psi
IZOD Impact Strength Notched @23°C(73°F)	ASTM D256	85 J/M	1.59 ft-lb/in
Thermal	TEST METHOD	Metric	US
Deflection Temperature @ 264 psi (1.8 MPa)	ASTM D848	143.6 °F	
Deflection Temperature @ 66 psi (0.45 MPa)	ASTM D648	158 °F	

The information on physical and chemical characteristics is based upon tests believed to be reliable. The values are intended only as a source of information. A legally binding guarantee of specific properties is not to be inferred from our specifications. They are given without guarantee and do not constitute a warranty. The purchaser should independently determine, prior to use, the suitability of the material for his/her specific purpose. (Data represents averages and is not intended for use as a specification.)