Vipet® PETG

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Vipet PETG is a versatile co-polyester sheet used for a wide range of applications that require exceptional clarity and mechanical properties.

Vipet PETG is an ideal product for vacuum formed process for point of sale parts due to not having to pre-dry the material. PETG has the ability to reposition and reform, and the ability to down gauge some individual parts to due to a higher impact strength than that of PMMA.

Vipet PETG therefore offers designers a high degree of freedom for realizing intricate transparent shapes and fast becoming an environmentally viable alternative to clear PVC.

Product Features

- Excellent thermoforming characteristics
- High impact strength
- Easily die cut and punched
- Cost effective
- Printable
- High optical quality

Product Applications

- Merchandising/point of sale displays
- Vending machines
- Product dispensers
- Medical packaging
- Food storage/display's
- Industrial guards and covers
- Slatt wall components

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Technical Data Sheet*

GENERAL

Density	ISO1183	1.27 (0.0458)	g/cm³ (lb/in³)
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)
Flexual Modulus	ISO178	2050 (297316)	MPa (psi)
Izod Impact Strength, Notched, 23°C	ISO179-1	7 (3.33)	kJ/m² (ft-lb/in²)
Izod Impact Strength, Notched, -30°C	ISO180/1A	7 (3.33)	kJ/m² (ft-lb/in²)

THERMAL

Vicat Softening Temperature, B50, Annealed	ISO306	79 (174)	ºC (ºF)
Heat Distortion Temperature, 1.8MPa	ISO75	64 (147)	ºC (ºF)
Linear Thermal Expansion	DIN53752	7	/ºK x 10-5
Continuous Service Temperature	-	55 (131)	ºC (ºF)
Maximum Short Term Temperature	-	65 (149)	ºC (ºF)
Degradation Temperature	-	> 250 (> 482)	ºC (ºF)

OPTICAL

Light Transmission (3mm / 0.118”)	DIN5036-3	87	%
Refractive Index	DIN5036-3	1.57	-

This specification provides typical data to the best of our knowledge at the time of publishing. Due to our inability to control conditions of use and application, we are unable to make any recommendations or suggestions. Mulford International nor any of their suppliers assume any liability for use of information presented.

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