

PETG

Polyethylene terephthalate

Vivak®



PETG Overview

PETG is a transparent, thermoplastic sheet used widely in the point of purchase industry. Among its advantages, Vivak PETG products offer superior impact strength over Acrylic and cost effectiveness compared to polycarbonate, and offers deep draws, complex die-cuts, and precise molded-in details without sacrificing structural integrity.

PETG can be bonded or fastened with adhesives, ultrasonic welding, or rivets. In addition, PETG is easily decorated by painting, silk screening, or hot stamping. Brake forming and cold bending operations can be used to make simple bends and curved areas.

PETG Applications

- Displays, display cases and other Point of Purchase advertising applications; signs
- Vending and recreation machines, machine guards
- Orthopedic parts and components for medical equipment
- Protective shields (i.e., anti riot shields)
- Building elements, street furniture (vandal resistant)

PETG Features

- Superior impact strength over Acrylic
- More cost effective than Polycarbonate, high impact resistance
- Can be bonded or fastened with adhesives, ultrasonic welding, or rivets.
- Excellent transparency and high gloss surface
- Break elongation similar to polycarbonate
- Easily thermoformable
- Excellent chemical resistance
- Reduces sound transmission

PETG Specifications

Specific Gravity	1.27
Water Absorption, 25 Hours	0.2%
Flexural Modulus	310,000psi @ .125"
Flexural Strength	11,200psi @ .125"
Tensile Modulus	320,000psi @ .125"
Tensile Strength	7,700psi @ .125"
Rockwell Hardness	115 (R Scale)
Shear Strength	9,000psi
Compressive Strength	8,000psi
Heat Deflection Temperature	157F @ 264psi 164F @ 66psi
Forming Temperature	280-320F
Light Transmission	86%

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