

PETG Copolyester

Glycol Modified Polyethylene Terephthalate

PETG Overview

Copolyester PETG is a transparent thermoplastic known well for its excellent impact and chemical resistances. PETG features a high impact resistance than surpasses acrylic products and also remains much more cost-effective versus polycarbonate products. PETG offers complete die-cuts, deep draws and precise molded-in details without affecting the product's structural integrity. PETG is easy to fabricate, form, bond or decorate, and is well-suited for a variety of point-of-purchase and sign applications. PETG performs well under forming temperatures ranging from 250°F to 320°F and is approved for use by the Food and Drug Administration.

PETG Applications

PETG is a lightweight, flexible material with considerable utility in interior settings, especially restaurants. Some grades of PETG are approved for contact with food, making it a popular choice for applications including produce screens, salad bar structures and sneeze guards. It is popular in other retail settings as well. PETG is the perfect solution for designers seeking the leading in-store display design material.

- Point of Purchase (POP) Display
- Produce Screens
- Sneeze Guards



PETG Features

PETG features a durable, lightweight construction that allows simple and flexible fabricating, forming and finishing. PETG die-cuts and punches easily and can be bonded or fastened with adhesives, ultrasonic welding, or rivets. It can also be easily decorated by painting, silk screening or hot stamping.

- Superior impact strength over acrylic
- More cost effective than polycarbonate
- Excellent transparency and high gloss surface
- Easily thermoformable
- Reduces sound transmission
- Can be bonded or fastened with adhesives, ultrasonic welding, or rivets.

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%

Properties are typical. Field testing is recommended for any application.

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WARNING: This product can expose you to chemicals including acetaldehyde (CAS 75-07-0), which is known to the State of California to cause cancer. For more information go to www.P65Warning.ca.gov.



www.interstateplastics.com