

PETG

Glycol-Modified PET Sheet

PETG is the modern replacement for cast acrylic and rigid PVC in clarity-critical applications. Excellent thermoforming behavior, FDA-compliant grades, and easy printability make it the default for premium displays, packaging, and faceshields.

Applications

- Retail store fixtures: newspaper, magazine, brochure, card, CD, and garment racks
- POP signage: wobblers, table tents, shelf strips
- Industrial: parts, components, deadfront instrument clusters, faceshields and lenses
- Backlit graphics, gold-stamped signs, and posters
- Food service: bin storage, trays, lids, covers, sneeze guards
- Medical: prosthetic devices, storage containers, tote bins
- Counter and table covers

Features & Benefits

- Sparkling clear, durable, and very rigid with high impact strength and strong abrasion resistance.
- Tough enough for active consumer environments — store fixtures, sneeze guards, displays.
- Easy to fabricate: drills, routs, and cuts (die, saw, guillotine) without cracking or splintering.
- Cold- or heat-bends and thermoforms without stress whitening, hazing, or pre-drying.
- Resists weathering, common cleaners, and many harsh chemicals.
- Replaces glass, acrylic, and polycarbonate at lower cost; weighs less than glass.
- Environmentally safe and completely recyclable.

Print & Process Compatibility

Toner ✓ · HP Indigo ✓ · UV Inkjet ✓ · Solvent Inkjet ✓ · Screen ✓ · Offset ✓ · Litho ✓

AVAILABLE SURFACES, FINISHES & GAUGES

Surface / Finish	Description	Stock Gauges
Matte / Matte	Stock matte/matte finish in standard gauges with 2-side Poly-Cling masking. Sheet sizes 24x48 and 48x96.	.020, .030, .040, .060
Gloss / Gloss (custom)	Custom gloss/gloss finish with Poly-Cling or Poly-Stick masking.	.003 – .125
Smooth (custom)	Custom smooth finish — between gloss and matte.	.003 – .125

TYPICAL PROPERTIES

Property	Typical Value	Test Method
Physical		
Specific Gravity	1.27	ASTM D 792
Rockwell Hardness, R Scale	108	ASTM D 785
Mechanical		
Tensile Modulus	320,000 psi	ASTM D 638
Tensile Strength	7,700 psi	ASTM D 638

Property	Typical Value	Test Method
Flexural Modulus	310,000 psi	ASTM D 790
Flexural Strength	11,200 psi	ASTM D 790
Izod Impact (notched, 72°F)	1.7 ft-lb/in	ASTM D 256
Izod Impact (notched, -20°F)	0.7 ft-lb/in	ASTM D 256
Thermal		
Heat Deflection Temperature (66 psi)	158°F (70°C)	ASTM D 648
Flammability		
UL 94-HB	Passes at >0.010"	UL 94
UL 94-V2	Passes at >0.118"	UL 94

Properties reported here are typical of average lots. K&R Plastics, Inc. and its manufacturers make no representation or warranty that the material in any particular shipment will conform exactly to the values given. Unless otherwise noted, all tests run at 23°C (73°F) and 50% relative humidity. Job-specific qualification recommended for production runs — request a sample.