

PETG (amorphous copolyester)

SPECTAR® / VIVAK®



PETG is a transparent thermoplastic sheet material with outstanding thermoformability and good impact resistance. PETG is an excellent choice for applications that require durability, deep draw thermoforming, and clarity.

Sheffield Plastics Inc.
A Bayer MaterialScience Company



KEY CHARACTERISTICS:

- Outstanding thermoforming characteristics, particularly in deep draw applications
- Does not usually require drying prior to thermoforming
- Good impact resistance
- Clear
- Lower cost alternative to polycarbonate
- Less brittle than acrylic
- Superior chemical resistance when compared with many other transparent plastics
- Easy to fabricate
- Allows for rapid thermoforming cycle times
- Brake formable (up to 0.080" thickness)
- FDA compliant grades available

APPLICATIONS:

- Point-of-purchase displays
- Retail store fixtures
- Prototypes and models
- Orthotic and prosthetic devices
- Machine guards and housings

PETG TYPICAL PROPERTIES:

	UNITS	ASTM TEST	PETG
Tensile strength	psi	D-638	7,700
Flexural modulus	psi	D-790	310,000
Izod impact (notched)	ft-lbs/in of notch	D-256	1.7
Heat deflection temperature @264 psi	°F	D-648	157
Maximum continuous service temperature in air	°F		-
Water absorption (immersion 24 hours)	%	D-570	0.20
Coefficient of linear thermal expansion	in/in/°Fx10 ⁻⁵	D-696	3.8

Standard Sizes: SHEET: 48"x96" (0.03"-0.5" thick)

Length, width, thickness, and diameter tolerances vary by size and by manufacturer • Custom sizes and colors available upon request • Many of our materials are available as films with thicknesses of 0.029" or less. Values may vary according to brand name. Please ask your Curbell Plastics representative for more specific information about an individual brand.

Curbell Plastics has been supplying plastic sheet, rod, tube, films, adhesives, sealants, and prototyping materials for over 65 years



NATIONWIDE
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