

## Prime PET-G™ 14471

Our Prime PET-G 14471 is the product of choice for most designers because of its superior impact resistance and easy fabrication. Prime PET-G is an environmentally friendly alternative to PVC and is a mid-range priced product environmentally friendly acrylic and polycarbonate.

**Offers excellent clarity, outstanding toughness, chemical resistance, and formability.** Prime PET-G is also available with UVI and offers weatherability without sacrificing clarity.

### Customization

Prime PET-G is often chosen for cost advantage over other clear materials with its great finishing characteristics.

Prime PET-G is typically clear however white and custom colors are available upon request. Material can be ordered in sheets or rolls.

### Sustainability

Sustainability includes considering the product's circularity or end of life during the design of the finished product. Prime PET-G is a polyester (recycle code 1) that can be recycled as a post-industrial or post-consumer product. Contact your Primex Territory Business Manager or check with local recycling facilities to determine where it is collected and recycled.

**Primex Sustainability: A better tomorrow, starting today!**



# Prime PET-G™ 14471 | Data Sheet

Prime PET-G 14471 is an economical high-clarity PET-G co-polyester resin developed for thick sheet applications.

## Applications

Prime PET-G is designed for point of purchase, displays, store fixtures, indoor and outdoor signs, vending machine parts, and industrial building construction, and architectural components.

## Finishing

Techniques used for the fabricating and finishing of Prime PET-G include; cold and hot bending, sawing, drilling, punching, shearing, and die cutting. Saw edges can be mechanically, flame or solvent polished. Prime PET-G 14471 can be painted, hot stamped and is easy to bond with commercial products.

## Colors, Textures, and Capabilities

Prime PET-G 14471 can be color matched to meet your specific requirements, however, it is generally a clear product. It is available in thicknesses of .060-.236 and up to 56" in width.

Property	Method	Value	Unit
Specific Gravity	D1505	1.27	
Rockwell Hardness	D785	115	R Scale
Tensile @ Yield	D638	7,700	psi
Elongation @ Break	D638	50	%
Flexural Modulus	D790	310,000	psi
Notched Izod @ 73°F	D256	1.7	ft-lb/in
Notched Izod @ -22°F	D256	.7	ft-lb/in
Haze	D1003	<1	%
CLTE	D696	4x10 <sup>-5</sup>	in/in/°F
HDT @ 264 psi	D648	157	°F
Vicat Softening Point	D1525	181	°F

FDA and UL compliant materials available upon request.

Prime PET-G 14471	Very High	High	Avg.
Impact Strength			*
Low Temperature Impact Strength			*
Tensile Strength		*	
Flexural Modulus	*		
Heat Deflection Temperature			*