



PRIME PETG 14471

Prime PETG 14471 is an economical high-clarity PETG co-polyester resin developed for thick sheet applications. The benefits of this material are excellent clarity, outstanding toughness, chemical resistance, cold formable without stress whitening, machinable, excellent thermoforming characteristics and it can be sealed with adhesives.

Property	Test Method	Value	Unit	Prime PETG 14471	Very High	High	Avg
Specific Gravity	D-1505	1.27		Impact Strength			*
Tensile @ Yield	D-638	7,700	psi	Low Temp Impact Strength			*
Elongation @ Break	D-638	50	%	Tensile Strength		*	
Flexural Modulus	D-790	310,000	psi	Flexural Modulus	*		
Notched Izod @ 73°F	D-256	1.7	ft-lb/in	Heat Deflection Temp			*
Notched Izod @ -22°F	D-256	.7	ft-lb/in				
HDT @ 264 psi	D-648	157	°F				
Vicat Softening Point	D-1525	181	°F				
Rockwell Hardness	D-785	104	R Scale				
CLTE	D-696	4x10 ⁻⁵	in/in/°F				
Haze	D-1003	<1	%				

Applications

Include 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 PETG 14471 include; cold and hot bending, sawing, drilling, punching, shearing, and die cutting. Saw edges can be mechanically, flame or solvent polished. Prime PETG 14471 can be painted, hot stamped and is easy to bond with commercial products.

Processing

Forming conditions for Prime PETG 14471 should include oven temperatures at 400-500°F, forming temperature of sheet should be 300-330°F, mold temperature should be < 120°F, and de-mold the part at < 130°F. The mold should have a 3-5° draft angle to aid with the release of the part.

Colors, Textures, Capabilities

Prime PETG 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.

Complies with UL 94-HB @ thickness > .010 in. Complies with UL 94-V2 @ thickness > .118 in. Complies with FDA Regulation 21 CFR 177.1315. Notice: All statements, information, and data given herein are believed to be accurate and reliable but are presented without guarantee, warranty, or responsibility of any kind, expressed or implied. Statements or suggestion concerning possible use of our products are made without presentation of warranty that such use is free of patent infringement and are not recommendations to infringe any patent. The user should not assume that all safety measures are indicated, or that other measures may not be required.

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