

# PACUR

## PETG Copolyester Sheet

### Description

Pacur® PETG sheet is extruded from copolyester resin. It is a remarkably clear and tough material, making it ideally suited for use as a blister packaging material. It is both FDA and USDA approved for use in medical device, pharmaceutical, and food packaging applications; and it will withstand ethylene oxide, gamma, electron beam, and gas plasma sterilization. Other end uses include general purpose blister packaging, graphic applications, and stationary supplies.

### Features

- Exceptionally Clear
- Great Chemical Resistance
- Improved Notch and Puncture Resistance
- BPA and Chlorine Free
- Easily Recyclable
- Exceptional Toughness
- Great Impact Resistance
- ISO 10993 Compliant
- Easy Thermoforming, Cutting, Trimming, and Printing

### Benefits

- Near Optical Clarity
- Reduced Packaging Costs
- No Stress Whitening
- No Pre-Treatment for Printing
- Fast Cycle Times
- Minimal Trim Dust
- Less Breakage

### Sterilization Methods

- Ethylene Oxide
- Gamma Ray
- Electron Beam
- Plasma Gas

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### Characteristics

Gauge	0.005" - 0.060"
Width	Maximum 60" $\pm$ 1/32"
Roll Diameter	Slit Rolls - 30" Maximum Outer Diameter Mill Rolls - 30" Maximum Outer Diameter
Core Sizes	3", 6", or 8" Inner Diameter
Colors/Tints	Medical Blue Tint Custom Colors Available on Request

### Physical Properties @ 10 mil (0.25mm) thickness

			ASTM Method
Density	1.27 gm/cc		D 1505
Basis Weight @ 0.010"	0.459 lbs/1000 in <sup>2</sup>	0.134 kg/m <sup>2</sup>	-
Yield @ 0.010"	2,180 in <sup>2</sup> /lb	3.1 m <sup>2</sup> /kg	-
Haze @ 0.010"	0.8 %		D 1003
Tensile Strength @ Yield	7,500 psi	52 MPa	D 882
Tensile Modulus of Elasticity	280,000 psi	1900 MPa	D 882
Dart Impact @ 23°C (73°F)	400 g @ 26" drop with 1/2" head and 5" clamp		D 1709A Mod.
Dart Impact @ -18°C (0°F)	500 g @ 26" drop with 1/2" head and 5" clamp		D 1709A Mod.
Water Vapor Transmission Rate	0.4 g/100in <sup>2</sup> ·24hrs	6 g/m <sup>2</sup> ·24hrs	F 1249
Oxygen Transmission Rate	25 cc-mil/100in <sup>2</sup> ·24hrs-atm	10 cc-mm/m <sup>2</sup> ·24hrs-atm	D 3985

**Disclaimer:** The information contained herein is true and accurate to the best of our knowledge; however, it is presented without any guarantees and without assumption of any liabilities as a result of its use.