

# PACUR<sup>®</sup>

## PETG CD Copolyester Sheet

### Description

Pacur<sup>®</sup> PETG Medical Grade CD (Clear Denest) is extruded from copolyester resin. Engineered as an alternative to silicone coating, PETG CD promotes consistency and ease in denestability while minimizing haze. It is an exceptionally clear and tough material making it ideally suited for use as a blister package material. It is FDA approved for use in medical device, pharmaceutical, and food packaging applications. It will withstand ethylene oxide, electron beam and gamma ray sterilization. Other end uses include general purpose blisters, skin packaging, graphic arts, and stationary supplies.

### Features

- Exceptionally Clear
- Chemical Resistant
- Improved Notch and Puncture Resistance
- BPA and Chlorine Free
- Highly Recyclable
- Exceptional Toughness
- Great Impact Resistance
- Easy Thermoforming, Cutting, Trimming, and Printing

### Benefits

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

### Sterilization Methods

- Ethylene Oxide
- Gamma
- Electron Beam

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### Characteristics

Gauge	.005" - .055"
Width	Maximum 60" ± 1/16"
Roll Diameter	Slit Rolls - 24" Maximum Outer Diameter Mill Rolls - 30" Maximum Outer Diameter
Core Sizes	3" or 6" 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

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