

PACUR

PETG DTC Sheet

Description

Pacur® PETG DTC copolyester sheet is designed for use in cost effective ESD safe packaging and “one way” shipping applications. The sheet is extruded from an amorphous polyester resin and treated with a proprietary electrostatic dissipative material forming a clear, tough, chlorine/chloride free, ESD safe packaging material. Typical applications include protective packaging clamshells for electronic and telecommunication components and products that are ESD sensitive.

Features

- $10^9 - 10^{11}$ Ohm Surface Resistivity
- Humidity Independent
- 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

- Controlled Elimination of Static Charges
- Works In Low Humidity
- Near Optical Clarity
- Low Outgassing
- No Corrosion
- No Chloride Contamination
- Reduced Packaging Costs
- No Stress Whitening
- No Pre-Treatment for Printing
- Fast Cycle Times
- Minimal Trim Dust
- Less Breakage

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Characteristics

Gauge	0.005" - 0.060"
Width	Maximum 60" ± 1/32"
Roll Diameter	Slit and Mill Rolls - 30" Maximum Outer Diameter
Core Sizes	3", 6", or 8" Inner Diameter
Colors/Tints	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 ²	0.134 kg/m ²	-
Yield @ 0.010"	2,180 in ² /lb	3.1 m ² /kg	-
Haze @ 0.010"	0.8 %		D 1003
Static Decay Rate	< 0.30 seconds @ 12% RH		
Surface Resistivity	10 ⁹ - 10 ¹⁰ ohms @ 12% & 50% RH		
Polycarbonate Compatibility	no attack visual @ 73°F, 120°F, 158°F ≤ 2500 PSI		
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 ² ·24hrs	6 g/m ² ·24hrs	F 1249
Oxygen Transmission Rate	25 cc·mil/100in ² ·24hrs·atm	10 cc·mm/m ² ·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.