

PACUR®

PETG FOAM

Pacur® PETG FOAM is a co-extruded combination of PETG Copolyester resin with a proprietary foamed core made from Eastman's Eastalite™ System. PETG FOAM offers advantages over traditional materials where low weight and sustainability are larger parts of an application's fitness for use requirements. PETG FOAM is a reliable, safe alternative to high impact polystyrene (HIPS) in the opaque rigid medical packaging market. PETG FOAM also shows considerable manufacturing improvements over HIPS in terms of processing, waste reduction, and reduced cleaning; all resulting in lower overall processing costs.

Features

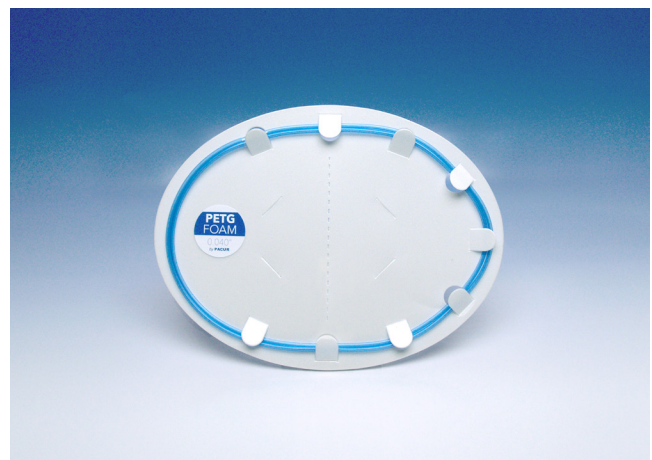
- BPA Free
- Chemical Resistant
- ISO 10993 Compliant
- FDA Approved
- Great Impact Resistance
- Notch and Tear Resistance
- Easy Thermoforming, Cutting and Trimming

Benefits

- Significantly Lower Thermoforming Temps
- Wide Processing Window
- Reduced Cycle Times
- Cushion Effect in Packaging
- Lightweight Package Designs
- Reduced Angel Hair
- Excellent Seal Integrity
- Better Hinge Life
- No Stress Whitening
- Easily Sterilized using Gamma, ETO, Electron Beam and Plasma Gas Methods



In-line F/F/S & Thermoformed Trays



Die-Cut Medical Card

3555 MOSER STREET • OSHKOSH, WISCONSIN 54901 • (920) 236-2888 • FAX (920) 236-2882

PACUR® is an ISO 9001:2015 company

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Developmental Technical Data

Characteristics

Gauge	.020" - .060"
Width	Maximum 50" ± 1/8"
Roll Diameter	Slit Rolls - 30" Maximum Outer Diameter Mill Rolls - 35" Maximum Outer Diameter
Core Sizes	6" Inner Diameter
Colors/Tints	Natural Color

Physical Properties @ 40 mil (1.02mm) thickness

ASTM Method

PETG Copolyester Skin Thickness	0.05 mm each	2 mils each	D 374
Density	0.8 gm/cc		D 792
Opacity @ .040"	90 %		EMN Method
Tear Resistance, Graves	594 lbf/in	104 N/mm	D 1004 - M.D.
Tear Resistance, Graves	703 lbf/in	123 N/mm	D 1004 - T.D.
Tensile Strength @ Yield	2,379 psi	16.4 MPa	D 882 - M.D.
Tensile Strength @ Break	2,582 psi	17.8 MPa	D 882 - M.D.
Elongation @ Yield	4.6 %		D 882 - M.D.
Elongation @ Break	112 %		D 882 - M.D.
Young's Modulus	120,381 psi	830 MPa	D 882 - M.D.

Comments: Pacur PETG FOAM has an B/A/B composition, with a foamed PETG core and solid PETG Copolyester skins. Both products are ISO 10993 compliant materials and listed as part of our drug master file. Properties reported here are based on limited developmental testing at 23° C.

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. It is the responsibility of our customers to determine that their use of our product(s) is safe, lawful and technically suitable for their intended applications.

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