

Westlake Elevate™ EF437 2.5% Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Westlake EF437 resin is a 2.5% EVA copolymer designed for films that require excellent optical and strength properties. This Kosher compliant resin has excellent heat sealing characteristics and low temperature brittleness properties. Application/Uses High clarity packaging Light and medium duty produce bags Linear blend component for sealing and clarity FDA: This material complies with FDA regulations in 21 CFR, section 177.1350. Kosher Compliant. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Elevate-EF437-25-Ethylene-Vinyl-Acetate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.925 g/cc	0.0334 lb/in ³	ASTM D1505
Vinyl Acetate Content	2.5 %	2.5 %	
Thickness	31.8 microns	1.25 mil	
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	350 %	350 %	ASTM D882
Film Elongation at Break, TD	700 %	700 %	ASTM D882
Dart Drop Test	150 g	0.331 lb	ASTM D1709
Film Tensile Strength at Break, MD	24.0 MPa	3480 psi	ASTM D882
Film Tensile Strength at Break, TD	17.0 MPa	2470 psi	ASTM D882
1% Secant Modulus, MD	138 MPa	20000 psi	ASTM D882
1% Secant Modulus, TD	152 MPa	22000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	3.7 %	3.7 %	ASTM D1003
Gloss	79 %	79 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	182 - 199 °C	360 - 390 °F	with BUR of 1.5:1 or higher
Blow-up Ratio (BUR)	2.5	2.5	

Descriptive Properties	Value	Comments
Process	Film	
Region	US & Canada	Bamberger Polymers Distribution

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