

Westlake EB502 12.5% EVA Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate , Ethylene Vinyl Acetate Copolymer (EVA), Film Grade

Material Notes:

Westlake Elevate™ EB502 resin is a fractional melt index 12.5% VA ethylene vinyl acetate copolymer designed for flexible packaging and other films that require excellent toughness and good heat sealing characteristics. This resin has excellent low temperature brittleness properties, melt strength, and flexibility. This resin grade complies with 21 CFR 177.1350. Melt temperatures of 360° F – 390° F are recommended. Test specimens for blown film: nominal thickness 2.0 mils; blow up ratio 2.5:1; die gap 35 mils.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-EB502-125-EVA-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in ³	ASTM-D1505
Melt Flow	0.55 g/10 min	0.55 g/10 min	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	450 %	450 %	ASTM-D882
Film Elongation at Break, TD	950 %	950 %	ASTM-D882
Dart Drop	11.4 g/micron	290 g/mil	ASTM-D1709
Dart Drop Test	580 g	1.28 lb	ASTM-D1709
Film Tensile Strength at Break, MD	27.6 MPa	4000 psi	ASTM-D882
Film Tensile Strength at Break, TD	29.6 MPa	4290 psi	ASTM-D882
1% Secant Modulus, MD	75.8 MPa	11000 psi	ASTM-D882
1% Secant Modulus, TD	89.6 MPa	13000 psi	ASTM-D882

Thermal Properties	Metric	English	Comments
Melting Point	94.0 °C	201 °F	Peak DSC; ASTM D-3418
Vicat Softening Point	76.0 °C	169 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM-D1003
Gloss	70 %	70 %	Specular; Angle 45°; ASTM-D2457

Processing Properties	Metric	English	Comments
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Melt Temperature Processing Properties	182 - 199 °C Metric	360 - 390 °F English	RIIIP - 1.5:1 Comments
Descriptive Properties	Value	Comments	
Process	Film		
Region	US & Canada	Bamberger Polymers Distribution	

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