

Westlake EF522 12% Ethylene Vinyl Acetate Copolymer

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

Material Notes:

Westlake ELEVATE™ EF522 is an ethylene vinyl acetate copolymer with 12% VA. EF522 is designed for blown and cast films requiring excellent optics and low heat seal initiation. High melt strength makes EF524 an excellent choice for profile extrusions, molding, and foaming applications requiring medium VA content..Application/UsesFlexible packaging filmsPeelable seals, adhesive layersInjection and blow moldingProfile extrusions, tubing, wire & cableThis resin grade complies with 21 CFR, section 177.1350.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-EF522-12-Ethylene-Vinyl-Acetate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.933 g/cc	0.0337 lb/in ³	D1505
Vinyl Acetate Content	12 %	12 %	
Thickness	33.0 microns	1.30 mil	Thickness Tested
Melt Flow	2.5 g/10 min	2.5 g/10 min	D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	D882
Film Elongation at Break, TD	800 %	800 %	D882
Dart Drop	7.27 g/micron	185 g/mil	D1709
Dart Drop Test	240 g	0.529 lb	D1709
Film Tensile Strength at Break, MD	26.9 MPa	3900 psi	D638
Film Tensile Strength at Break, TD	22.1 MPa	3210 psi	D638
1% Secant Modulus, MD	72.4 MPa	10500 psi	D882
1% Secant Modulus, TD	79.3 MPa	11500 psi	D882

Thermal Properties	Metric	English	Comments
Melting Point	94.0 °C	201 °F	DSC Peak; D3418
Vicat Softening Point	70.0 °C	158 °F	D1525

Optical Properties	Metric	English	Comments
Haze	2.3 %	2.3 %	D1003

Gloss	84 %	84 %	at 45° D2457
Optical Properties	Metric	English	Comments

Processing Properties	Metric	English	Comments
Melt Temperature	<= 193 °C	<= 379 °F	Blown Film
	<= 210 °C	<= 410 °F	Cast Film
Blow-up Ratio (BUR)	2.5	2.5	As Tested

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

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