

Westlake EF524 14.5% Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Westlake ELEVATE™ EF524 is an ethylene vinyl acetate copolymer with 14.5% VA. EF524 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 high 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-EF524-145-Ethylene-Vinyl-Acetate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.934 g/cc	0.0337 lb/in ³	D1505
Vinyl Acetate Content	14.5 %	14.5 %	
Thickness	45.7 microns	1.80 mil	Thickness Tested
Melt Flow	3.5 g/10 min	3.5 g/10 min	D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	675 %	675 %	D882
Film Elongation at Break, TD	100 %	100 %	D882
Dart Drop	8.11 g/micron	206 g/mil	D1709
Dart Drop Test	370 g	0.816 lb	D1709
Film Tensile Strength at Break, MD	22.1 MPa	3210 psi	D638
Film Tensile Strength at Break, TD	20.7 MPa	3000 psi	D638
1% Secant Modulus, MD	50.0 MPa	7250 psi	D882
1% Secant Modulus, TD	55.2 MPa	8010 psi	D882

Thermal Properties	Metric	English	Comments
Melting Point	90.0 °C	194 °F	DSC Peak; D3418

Optical Properties	Metric	English	Comments
Haze	1.5 %	1.5 %	D1003
Gloss	87 %	87 %	at 45; D2457

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	

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

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