

Westlake ELEVATE™ EF529 18.5% Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Westlake ELEVATE™ EF529 is an ethylene vinyl acetate copolymer with 18.5% VA. It contains no slip or antiblock and is designed for blown and cast films requiring excellent optics and low heat seal initiation. High melt strength makes EF529AA an excellent choice for profile extrusions, molding, and foaming applications requiring medium VA content. Application/Uses Flexible packaging films Peelable seals, adhesive layers Injection and blow molding Hot melt adhesives and blends Profile extrusions, tubing, wire & cable This resin grade complies with 21 CFR, section 177.1350.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-ELEVATE-EF529-185-Ethylene-Vinyl-Acetate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.940 g/cc	0.0340 lb/in ³	D1505
Vinyl Acetate Content	18.5 %	18.5 %	
Thickness	31.75 microns	1.250 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	600 %	600 %	D882
Film Elongation at Break, TD	800 %	800 %	D882
Dart Drop	9.13 g/micron	232 g/mil	D1709
Dart Drop Test	290 g	0.639 lb	D1709
Film Tensile Strength at Break, MD	24.8 MPa	3600 psi	D638
Film Tensile Strength at Break, TD	24.1 MPa	3500 psi	D638
1% Secant Modulus, MD	42.1 MPa	6110 psi	D882
1% Secant Modulus, TD	50.3 MPa	7300 psi	D882

Thermal Properties	Metric	English	Comments
Melting Point	85.0 °C	185 °F	DSC Peak; D33418
Vicat Softening Point	67.0 °C	153 °F	D1525

Optical Properties	Metric	English	Comments
Haze	3.6 %	3.6 %	D1003

Optical Properties	Metric	English	Comments
--------------------	--------	---------	----------

Processing Properties	Metric	English	Comments
Melt Temperature	<= 177 °C	<= 351 °F	Blown Film
	<= 204 °C	<= 399 °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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China