

Westlake Elevate™ EF439 4.0% Ethylene Vinyl Acetate Copolymer

Category : Polymer , Thermoplastic , Ethylene Vinyl Acetate

Material Notes:

Excellent haze and gloss, excellent impact strength and very good heat sealability. Application/Uses High clarity packaging High impact 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-EF439-40-Ethylene-Vinyl-Acetate-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.9265 g/cc	0.03347 lb/in ³	ASTM D1505
Vinyl Acetate Content	4.0 %	4.0 %	
Thickness	31.8 microns	1.25 mil	
Melt Flow	1.4 g/10 min	1.4 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	300 %	300 %	ASTM D882
Film Elongation at Break, TD	600 %	600 %	ASTM D882
Dart Drop	9.84 g/micron	250 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	27.6 MPa	4000 psi	ASTM D882
Film Tensile Strength at Break, TD	21.4 MPa	3100 psi	ASTM D882
1% Secant Modulus, MD	145 MPa	21000 psi	ASTM D882
1% Secant Modulus, TD	179 MPa	26000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	4.4 %	4.4 %	ASTM D1003
Gloss	72 %	72 %	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
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Process Descriptive Properties	Film Value	Comments
Region	US & Canada	Bamberger Polymers Distribution

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