

Westlake LF2018 Hexene Linear Low Density Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LLDPE

Material Notes:

Westlake LF2018 is a hexene LLDPE suitable for heavy duty films and shipping sacks. This material has increased stiffness, and can be blended with LDPE for strength property enhancements..Application/UsesHeavy duty bags and sacksAgricultural filmsFDA: This material complies with FDA regulations in 21 CFR, section 177.1520. Kosher Compliant.All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-LF2018-Hexene-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.924 g/cc	0.0334 lb/in ³	ASTM D1505
Thickness	25.4 microns	1.00 mil	
Melt Flow	0.80 g/10 min	0.80 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	1100 %	1100 %	ASTM D882
Film Elongation at Break, TD	1100 %	1100 %	ASTM D882
Dart Drop	11.8 g/micron	300 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	42.1 MPa	6100 psi	ASTM D882
Film Tensile Strength at Break, TD	37.2 MPa	5400 psi	ASTM D882
1% Secant Modulus, MD	283 MPa	41000 psi	ASTM D882
1% Secant Modulus, TD	372 MPa	54000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	15 %	15 %	ASTM D1003

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 216 °C	400 - 420 °F	
Blow-up Ratio (BUR)	2.5	2.5	

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

Descriptive Properties

Value

Comments

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