

Westlake LF2010 Hexene Linear Low Density Polyethylene

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

Material Notes:

Westlake LF2010 is a hexene LLDPE with increased stiffness suitable for heavy duty films and shipping sacks. This material contains process aid for improved ease of extrusion, and can be blended with LDPE for strength property enhancements. Application/Uses Bags and sacks Agricultural films Trash bags and liners Co-extruded structures FDA: 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-LF2010-Hexene-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.926 g/cc	0.0335 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	700 %	700 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Dart Drop	8.27 g/micron	210 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	44.8 MPa	6500 psi	ASTM D882
Film Tensile Strength at Break, TD	41.4 MPa	6000 psi	ASTM D882
1% Secant Modulus, MD	255 MPa	37000 psi	ASTM D882
1% Secant Modulus, TD	290 MPa	42000 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
Descriptive Properties

US & Canada
Value

Bamberger
Comments Polymers Distribution

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