

## Westlake LF2040 Hexene Linear Low Density Polyethylene

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

### Material Notes:

Westlake LF2040 is a hexene LLDPE with excellent physical properties and heat sealing characteristics, which allow for down-gauging and blending with other materials. Typical applications include stretch films, heavy duty bags and sacks, agricultural films, and trash bags & liners. This Kosher compliant material is available with various slip and antiblock levels. 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-LF2040-Hexene-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Westlake-LF2040-Hexene-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Thickness	25.4 microns	1.00 mil	
Melt Flow	2.0 g/10 min	2.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, MD	9.65 MPa	1400 psi	
Film Tensile Strength at Yield, TD	9.65 MPa	1400 psi	
Film Elongation at Break, MD	500 %	500 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Elmendorf Tear Strength, MD	7.87 g/micron	200 g/mil	
Elmendorf Tear Strength, TD	25.6 g/micron	650 g/mil	
Dart Drop	3.54 g/micron	90.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	55.2 MPa	8000 psi	ASTM D882
Film Tensile Strength at Break, TD	33.1 MPa	4800 psi	ASTM D882
1% Secant Modulus, MD	138 MPa	20000 psi	ASTM D882
1% Secant Modulus, TD	152 MPa	22000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	2.5 %	2.5 %	ASTM D1003
Gloss	95 %	95 %	45°

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	

## Contact Songhan Plastic Technology Co.,Ltd.

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