

Westlake Hifor Xtreme SC74838 Linear Low Density Polyethylene

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

Material Notes:

WESTLAKE HIFOR Xtreme SC74838 polymer is a high strength linear low density polyethylene designed for blown film extrusion that contains medium slip and medium antiblock. Films produced with this resin exhibit balanced toughness. Other features of this resin include good machine direction tear resistance. Application/Uses Fresh produce packaging FDA: This material complies with FDA regulations in 21 CFR, section 177.1520. All information provided by Westlake Chemical

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Hifor-Xtreme-SC74838-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ASTM D1505
Thickness	25.4 microns	1.00 mil	
Melt Flow	1.0 g/10 min	1.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	750 %	750 %	ASTM D882
Film Elongation at Break, TD	1000 %	1000 %	ASTM D882
Dart Drop	9.84 g/micron	250 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	50.3 MPa	7300 psi	ASTM D882
Film Tensile Strength at Break, TD	39.3 MPa	5700 psi	ASTM D882
1% Secant Modulus, MD	200 MPa	29000 psi	ASTM D882
1% Secant Modulus, TD	228 MPa	33000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	13 %	13 %	ASTM D1003
Gloss	45 %	45 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	204 - 216 °C	400 - 420 °F	Blown Film
Blow-up Ratio (BUR)	2.4	2.4	As tested

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

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