

Westlake Hifor Xtreme SC74844 Linear Low Density Polyethylene

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

Material Notes:

WESTLAKE HIFOR Xtreme SC74844 polymer is a high strength linear low density polyethylene designed for blown film extrusion that contains medium slip, high antiblock and processing aid. Films produced with this resin exhibit an excellent toughness. Other features of this resin include good impact strength and machine direction tear resistance. Application/Uses Fresh produce packaging 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-Hifor-Xtreme-SC74844-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	0.50 g/10 min	0.50 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Dart Drop	29.5 g/micron	750 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	58.6 MPa	8500 psi	ASTM D882
Film Tensile Strength at Break, TD	44.8 MPa	6500 psi	ASTM D882
1% Secant Modulus, MD	186 MPa	27000 psi	ASTM D882
1% Secant Modulus, TD	207 MPa	30000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	18 %	18 %	ASTM D1003
Gloss	50 %	50 %	at 45°; ASTM D2457

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

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

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China