

Westlake Hifor LT74105 Linear Low Density Polyethylene

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

Material Notes:

WESTLAKE Hifor Polyethylene LT74105 is a high strength linear low density polyethylene containing medium slip and medium antiblock. It is designed for blown film applications and is well suited for consumer and industrial packaging markets which require impact and tear strength. Films produced using LT74105 exhibit low imperfections and facilitate production at thinner gauges. Application/Uses Vegetable packaging Bread bags slice bags 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-LT74105-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 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	6.69 g/micron	170 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	221 MPa	32000 psi	ASTM D882
1% Secant Modulus, TD	241 MPa	35000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM D1003
Gloss	45 %	45 %	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
Process	Blown Film	
	Film	
Region	US & Canada	Bamberger Polymers Distribution

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