

Westlake Hifor LT74107-F Polyethylene Film, Using Energx Technology Services (discontinued **)

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

Hifor LT74107-F polymer is a high strength and good clarity polyethylene designed for blown film extrusion that contains medium slip, high antiblock and high processing aid additives. Films produced with this resin exhibit a unique low seal initiation temperature combined with high stiffness. Other features of this resin include good clarity and high machine direction tear resistance. Applications/Uses Food packaging Trash bags Blown film Eastman Chemical Company sold its polyethylene business to Westlake Chemical Corporation in Dec. 2006. This grade no longer appears in the Westlake product line.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Westlake-Hifor-LT74107-F-Polyethylene-Film-Using-Energx-Technology-Services-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Base Resin Density	0.917 g/cc	0.0331 lb/in ³	ASTM D1505
Thickness	25.0 microns	0.984 mil	ASTM D374
Base Resin Melt Index	0.50 g/10 min	0.50 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Tensile Strength at Yield, TD	9.00 MPa	1310 psi	ASTM D882
Film Elongation at Break, MD	600 %	600 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Secant Modulus, MD	0.186 GPa	27.0 ksi	0.01; ASTM D882
Secant Modulus, TD	0.207 GPa	30.0 ksi	0.01; ASTM D882
Elmendorf Tear Strength, MD	18.0 g/micron	457 g/mil	ASTM D1922
Elmendorf Tear Strength, TD	28.0 g/micron	711 g/mil	ASTM D1922
Dart Drop	30.0 g/micron	762 g/mil	ASTM D1709A
Film Tensile Strength at Break, MD	59.0 MPa	8560 psi	ASTM D882
Film Tensile Strength at Break, TD	45.0 MPa	6530 psi	ASTM D882
Heat Seal Strength Initiation Temperature	96.0 °C	205 °F	Eastman

Optical Properties	Metric	English	Comments
Haze	18 %	18 %	ASTM D1003

Optical Properties	Metric	English	Comments
LDPE	LDPE	LDPE	21.45 , ASTM D2457

Descriptive Properties	Value	Comments
Process	Film	

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