

Westlake Hifor Xtreme SC74840 Linear Low Density Polyethylene

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

Material Notes:

WESTLAKE HIFOR Xtreme SC74840 linear low density polyethylene is recommended for the core layer of cast stretch film. It provides excellent clarity and ultimate stretch values higher than the more conventional 2.0-2.5 MI cast stretch core resins. It is designed for machine wrap and hand wrap applications where good processability and low gel content are needed. 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-SC74840-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	4.0 g/10 min	4.0 g/10 min	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	570 %	570 %	ASTM D882
Film Elongation at Break, TD	840 %	840 %	ASTM D882
Dart Drop	5.51 g/micron	140 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	29.6 MPa	4300 psi	ASTM D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM D882
1% Secant Modulus, MD	152 MPa	22000 psi	ASTM D882
1% Secant Modulus, TD	159 MPa	23000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	1.4 %	1.4 %	ASTM D1003
Gloss	95 %	95 %	at 45°; ASTM D2457

Processing Properties	Metric	English	Comments
Melt Temperature	260 - 288 °C	500 - 550 °F	

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

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