

Westlake Hifor Clear SC74558 Linear Low Density Polyethylene

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

Material Notes:

WESTLAKE Hifor Clear Polyethylene SC74558 is a high strength and high clarity linear low density polyethylene designed for blown film extrusion that contains medium slip and low antiblock additives. Films produced with this resin exhibit good toughness, with excellent gloss and clarity for a product of this density. SC74558 is well suited for packaging frozen goods, fruits and vegetables, and baked goods. Application/Uses Frozen food films High clarity bread bags Ice 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-Clear-SC74558-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	650 %	650 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Dart Drop	6.30 g/micron	160 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	41.4 MPa	6000 psi	ASTM D882
Film Tensile Strength at Break, TD	27.6 MPa	4000 psi	ASTM D882
1% Secant Modulus, MD	234 MPa	34000 psi	ASTM D882
1% Secant Modulus, TD	276 MPa	40000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM D1003
Gloss	75 %	75 %	at 45°; ASTM D2457
Transmission, Visible	90 %	90 %	clear; thickness not quantified

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

Processing Properties	Metric	English	Comments
Descriptive Properties	Value	Comments	
Process	Blown Film		
	Film		
Region	US & Canada	Bamberger Polymers Distribution	

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