

## Westlake Hifor SC74557 Linear Low Density Polyethylene

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

### Material Notes:

WESTLAKE Hifor Clear Polyethylene SC74557 is a high strength and high clarity linear low density polyethylene designed for blown film extrusion that contains no slip and low antiblock. Films produced with this resin exhibit good toughness, with excellent gloss and clarity for a product of this density. SC74557 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-SC74557-Linear-Low-Density-Polyethylene.php](http://www.lookpolymers.com/polymer_Westlake-Hifor-SC74557-Linear-Low-Density-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in <sup>3</sup>	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 Tensile Strength at Yield, MD	12.0 MPa	1740 psi	
Film Tensile Strength at Yield, TD	10.0 MPa	1450 psi	
Film Elongation at Break, MD	650 %	650 %	ASTM D882
Film Elongation at Break, TD	900 %	900 %	ASTM D882
Elmendorf Tear Strength, MD	7.87 g/micron	200 g/mil	
Elmendorf Tear Strength, TD	23.6 g/micron	600 g/mil	
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	228 MPa	33000 psi	ASTM D882
1% Secant Modulus, TD	276 MPa	40000 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	6.5 %	6.5 %	ASTM D1003
Gloss	75 %	75 %	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	

## Contact Songhan Plastic Technology Co.,Ltd.

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