

HIFOR Clear® SC74580

Linear Low Density Polyethylene

Westlake Chemical Corporation

Message:

WESTLAKE Hifor Clear Polyethylene SC74580 polymer is a high strength and high clarity linear low density polyethylene designed for blown film extrusion that contains no slip and no antiblock. It does contain processing aid. Blown films produced with this resin exhibit good toughness, with exceptional gloss and clarity for a product of this density, yet film blocking is substantially lower than one might expect. Film stiffness is also higher than one might expect for this density. It works well in many shrink film applications. Contact Westlake for further information on the regulatory status.

General Information			
Additive	Processing Aid		
Features	Good Tear Strength		
	Good Toughness		
	High Gloss		
	Medium Clarity		
Uses	Film		
	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.926	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.60	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	324	MPa	
1% Secant, TD	379	MPa	
Tensile Strength			ASTM D882
MD : Break	58.0	MPa	
TD : Break	38.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	600	%	
TD : Break	950	%	
Dart Drop Impact	100	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	82		ASTM D2457
Haze	4.0	%	ASTM D1003

Injection	Nominal Value	Unit
Processing (Melt) Temp	204 to 216	°C

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Recommended distributors for this material

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