

HIFOR Xtreme® SC74853

Linear Low Density Polyethylene

Westlake Chemical Corporation

Message:

WESTLAKE HIFOR Xtreme SC74853 polymer is a high strength linear low density polyethylene designed for blown film extrusion that contains no slip, high antiblock and processing aid. Films produced with this resin exhibit balanced toughness. Other features of this resin include good clarity and machine direction tear resistance.

General Information			
Additive	High Antiblock		
	Processing Aid		
Features	Good Impact Resistance		
	Good Tear Strength		
	High Gloss		
	Medium Antiblocking		
	Medium Clarity		
Uses	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Secant Modulus			ASTM D882
1% Secant, MD	186	MPa	
1% Secant, TD	207	MPa	
Tensile Strength			ASTM D882
MD : Break	58.6	MPa	
TD : Break	44.8	MPa	
Tensile Elongation			ASTM D882
MD : Break	600	%	
TD : Break	900	%	
Dart Drop Impact	750	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (45°)	50		ASTM D2457
Haze	18	%	ASTM D1003

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

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