

HIFOR Xtreme® SC74880

Linear Low Density Polyethylene

Westlake Chemical Corporation

Message:

WESTLAKE HIFOR Xtreme SC74880 is a high strength linear low density polyethylene containing high slip and high anti-block. It is designed for blown film applications and is well suited for consumer and industrial packaging markets which require impact and tear strength. This material does contain process aid for ease of extrusion.

Application/Uses

Ice Bags

Heavy duty films

General Information			
Additive	High smoothness		
	High caking resistance		
	Processing aid		
Features	Kosher certification		
	High smoothness		
	High caking resistance		
	High strength		
	Impact resistance, good		
	Good tear strength		
Uses	Films		
	Bags		
Agency Ratings	FDA not rated		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.920	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.50	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
secant modulus			ASTM D882
1% secant, MD: 25 µm, blown film	186	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	241	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	58.6	MPa	ASTM D882
TD: Broken, 25 µm, blown film	48.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	550	%	ASTM D882

TD: Broken, 25 µm, blown film	900	%	ASTM D882
Dart Drop Impact (25 µm, Blown Film)	200	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method
Gloss (25.4 µm, Blown Film)	54		ASTM D2457
Haze (25.4 µm, Blown Film)	16	%	ASTM D1003

Additional Information

Gauge of test specimens 1.0 mil fabricated on a 6" die, 2.5" 24:1 L:D barrier screw, 2.4:1 BUR, 100-mil die gap, 15" frostline height, 430° F melt temperature, and 7.5 lb/hr/inch die output.

Extrusion	Nominal Value	Unit
Melt Temperature	204 - 221	°C

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