

HIFOR Xtreme® SC74845

Linear Low Density Polyethylene

Westlake Chemical Corporation

Message:

WESTLAKE HIFOR Xtreme SC74845 polymer is a high strength linear low density polyethylene designed for blown film extrusion that contains medium slip and high antiblock. Films produced with this resin exhibit balanced toughness. Other features of this resin include good machine direction tear resistance.

Application/Uses

Fresh produce packaging

General Information			
Additive	High caking resistance		
	Moderate smoothness		
Features	High caking resistance		
	High strength		
	Good tear strength		
	Good toughness		
	Moderate smoothness		
Uses	Packaging		
	Food packaging		
Agency Ratings		FDA not rated	
Forms		Particle	
Processing Method		Blow film	
Physical	Nominal Value	Unit	Test Method
Density	0.917	g/cm ³	ASTM D4883
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
secant modulus			ASTM D882
1% secant, MD	200	MPa	ASTM D882
1% secant, TD	228	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Fracture	50.3	MPa	ASTM D882
TD: Fracture	39.3	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	750	%	ASTM D882
TD: Fracture	1000	%	ASTM D882
Dart Drop Impact	250	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method

Gloss (45°)	40		ASTM D2457
Haze	18	%	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, 450° F melt temperature, and 7.5 lb/hr/inch die output.			
Injection	Nominal Value	Unit	
Processing (Melt) Temp	204 - 216	°C	

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