

HIFOR Clear® SC74558

Linear Low Density Polyethylene

Westlake Chemical Corporation

Message:

WESTLAKE Hifor Clear Polyethylene SC74558 is a high strength and high clarity linear low density polyethylene design for blown film extrusion that contains medium slip and low anitblock additives. Films produced with this resin exhibit good toughness, with excellent gloss and clarity for a product of this density. SC74558 is well suited for packaging frozen goods, fruits and vegetables, and baked goods.

General Information			
Additive	Low Antiblock		
	Medium Slip		
Features	Good Tear Strength		
	Good Toughness		
	High Clarity		
	High Gloss		
	Low Antiblocking		
Uses	Film		
	Food Packaging		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Appearance	Clear/Transparent		
Forms	Pellets		
Physical	Nominal Value	Unit	Test Method
Density	0.920	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	234	MPa	
1% Secant, TD	276	MPa	
Tensile Strength			ASTM D882
MD : Break	41.0	MPa	
TD : Break	28.0	MPa	
Tensile Elongation			ASTM D882
MD : Break	650	%	
TD : Break	900	%	
Dart Drop Impact	160	g	ASTM D1709
Optical	Nominal Value	Unit	Test Method

Gloss (45°)	75		ASTM D2457
Haze	4.0	%	ASTM D1003
Injection	Nominal Value	Unit	
Processing (Melt) Temp	204 to 216	°C	

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