

Trademark PE LLH08925

Linear Low Density Polyethylene
Trademark Plastics Corporation

Message:

Applications:
Heavy Duty Sacks
Industrial Liners
Food Packaging
Commercial Packaging
Properties:
Hexene Comonomer
Excellent Processability
Good Toughness
Increased Stiffness
Additives:
Processing Aid
High Slip
High Antiblock

General Information			
Additive	High smoothness		
	High caking resistance		
	Processing aid		
Features	Low density		
	Rigid, good		
	High caking resistance		
	hexene comonomer		
	Workability, good		
	Good toughness		
	Compliance of Food Exposure		
Uses	Packaging		
	Lining		
	Food packaging		
	Heavy packing bag		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Density	0.925	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	0.80	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	290	MPa	ASTM D882
1% secant, TD: 25 µm, blown film	345	MPa	ASTM D882
Tensile Strength			ASTM D882
MD: Broken, 25 µm, blown film	55.2	MPa	ASTM D882
TD: Broken, 25 µm, blown film	34.5	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Broken, 25 µm, blown film	400	%	ASTM D882
TD: Broken, 25 µm, blown film	700	%	ASTM D882
Dart Drop Impact (Blown Film)	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 25 µm, blown film	300	g	ASTM D1922
TD: 25 µm, blown film	650	g	ASTM D1922
Optical	Nominal Value	Unit	Test Method
Gloss (45°, 25.4 µm, Blown Film)	65		ASTM D2457
Haze (25.4 µm, Blown Film)	18	%	ASTM D1003
Extrusion	Nominal Value	Unit	
Melt Temperature	204 - 232	°C	
Extrusion instructions			
Blow-up ratio: 2:1 or higher			

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