

Braskem PE LH-218

Linear Low Density Polyethylene

Braskem

Message:

LH218 is a LLDPE Hexene copolymer produced by Braskem. It shows a good balance between optical properties, mechanical properties (Mainly stretchability), sealability and processability. Very low gel contained.

Additive:

Slip Absent

Antiblock Absent

Applications:

Stretch films; Liners; LDPE and HDPE blends; packages for general use;

Process:

Cast Film Extrusion

General Information			
Features	Low density		
	Low speed solidification crystal point		
	Copolymer		
	Optical		
Uses	Films		
	Wire and cable applications		
	Mixing		
	General		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Film extrusion		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.916	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	25	µm	
Tensile Strength			ASTM D882
MD: Break, 25 µm	40.0	MPa	ASTM D882
TD: Break, 25 µm	40.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Break, 25 µm	1200	%	ASTM D882
TD: Break, 25 µm	1500	%	ASTM D882
Flexural Modulus			ASTM D790

1% Secant, MD : 25 µm	210	MPa	ASTM D790
1% Secant, TD : 25 µm	240	MPa	ASTM D790
Dart Drop Impact (25 µm)	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 25 µm	240	g	ASTM D1922
TD : 25 µm	520	g	ASTM D1922
Optical	Nominal Value		Test Method
Gloss (60°, 25.0 µm)	17		ASTM D2457
Extrusion instructions			

Blown Film Extrusion:Temperature profile: 150 to 250°CScreen package: 40/60/40 blendScreen package: 40/40 100% pureMass temperature: 230 °C

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