

# Braskem PE SLH218

Linear Low Density Polyethylene

Braskem

## Message:

Description:  
SLH218 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.  
The minimum biobased content of this grade is 84%, determined according to ASTM D6866.

Additive:  
Slip Absent  
Antiblock Absent

Applications:  
Stretch films; Liners; LDPE and HDPE blends; packages for general use; Others applications: insulation for low and medium tension XLPE wires and cables; blends for irrigation pipes.

Process:  
Cast Film Extrusion

General Information			
Features	Low speed solidification crystal point		
	Updatable resources		
	Compliance of Food Exposure		
	General		
Uses	Mixing		
	General		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.916	g/cm <sup>3</sup>	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Fracture, 38 µm	40.0	MPa	ASTM D882
TD: Fracture, 38 µm	40.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	1200	%	ASTM D882
TD: Fracture, 38 µm	1500	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD : 38 µm	210	MPa	ASTM D790
1% Secant, TD : 38 µm	240	MPa	ASTM D790
Dart Drop Impact <sup>1</sup>	110	g	ASTM D1709

Elmendorf Tear Strength			ASTM D1922
MD : 38 μm	240	g	ASTM D1922
TD : 38 μm	520	g	ASTM D1922
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 84	%	ASTM D6866
Extrusion instructions			
Blown Films Extrusion Temperature Profile: from 150 to 250°C Screen Package: 40/40 - 100% pure 40/60/40 - Blend Mass Temperature: 230°C (max 260°C)			
NOTE			
1.	F50		

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