

Braskem PE SLH218

Linear Low Density Polyethylene

Braskem

Message:

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.

General Information			
Features	Low speed solidification crystal point		
	Copolymer		
	Optical		
	hexene comonomer		
	Updatable resources		
	Workability, good		
	Good stretchability		
	Good heat sealability		
	Compliance of Food Exposure		
	BPA-free		
Uses	Packaging		
	Films		
	Lining		
	Wire and cable applications		
	Piping system		
	Mixing		
	Stretch winding		
	cast film		
Agency Ratings	ASTM D 6866		
	FDA 21 CFR 177.1520		
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	38	µm	

Tensile Strength			ASTM D882
MD: Fracture, 38 µm, extruded film	40.0	MPa	ASTM D882
TD: Fracture, 38 µm, extruded film	40.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm, extruded film	1200	%	ASTM D882
TD: Fracture, 38 µm, extruded film	1500	%	ASTM D882
Flexural Modulus			ASTM D882
1% Secant, MD : 38 µm, Cast Film	210	MPa	ASTM D882
1% Secant, TD : 38 µm, Cast Film	240	MPa	ASTM D882
Dart Drop Impact (38 µm, Cast Film)	110	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD: 38 µm, cast film	240	g	ASTM D1922
TD: 38 µm, cast film	520	g	ASTM D1922
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 84	%	ASTM D6866
Extrusion	Nominal Value	Unit	
Melt Temperature	150 - 250	°C	
Extrusion instructions			

Screen Package: 40/40 - 100% pure; 40/60/40 - BlendMass Temperature: 230°C (max 260°C)

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