

Braskem PE SLL118/21

Linear Low Density Polyethylene

Braskem

Message:

Description:
SLL118/21 is a LLDPE Butene copolymer produced by Braskem. It is a general purpose product that shows a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount.
The minimum biobased content of this grade is 87%, determined according to ASTM D6866.

Additive:
Antiblocking Medium
Slip Medium

Applications:
Automatic Packaging (FFS); liners; general purpose; HDPE and LDPE blends.

Process:
Blown Film Extrusion

General Information			
Additive	Moderate caking resistance		
	Moderate smoothness		
Features	Low speed solidification crystal point		
	Optical		
	Updatable resources		
	Compliance of Food Exposure		
	Moderate caking resistance		
	Moderate smoothness		
Uses	Packaging		
	Films		
	Mixing		
	General		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.919	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	1.0	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	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	1100	%	ASTM D882

TD: Fracture, 38 µm	1300	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD : 38 µm	210	MPa	ASTM D790
1% Secant, TD : 38 µm	230	MPa	ASTM D790
Dart Drop Impact ¹	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 µm	180	g	ASTM D1922
TD : 38 µm	400	g	ASTM D1922
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 87	%	ASTM D6866
Extrusion instructions			

Blown Film Extrusion
 Temperature Profile: from 180 to 210°C
 Blow up Ratio: from 2 to 3:1
 Die Gap: from 1.8 to 2.5 mm
 Screen Package: 40/40 - 100% pure
 40/60/40 - Blend
 Mass Temperature: 190°C (max 210°C)

NOTE

1. F50

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