

Braskem PE SLL5405S

Linear Low Density Polyethylene

Braskem America Inc.

Message:

Description:

SLL5405S is a LLDPE Butene copolymer produced by Braskem. It is a general purpose product that shows a good processing performance balanced with good mechanical properties as well as sealability. This product has very low gel amount.

The minimum biobased content of this grade is 87%, determined according to ASTM D6866.

Additive:

Antiblocking High

Slip High

Applications:

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

Process:

Blown Film Extrusion

General Information			
Additive	High smoothness High caking resistance		
Features	Low speed solidification crystal point High smoothness High caking resistance Copolymer Updatable resources Workability, good Compliance of Food Exposure		
Uses	Packaging Films Lining Mixing General		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Blow film		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	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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