

Braskem PE SLL318

Linear Low Density Polyethylene

Braskem

Message:

Description:
SLL318 is a Linear Low Density Polyethylene, copolymer of butene-1. Developed for cast film extrusion. Films obtained with this product show good mechanical properties and enhanced sealability. It contains antioxidant additives.
The minimum biobased content of this grade is 87%, determined according to ASTM D6866.

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

Process:
Recommended processing conditions for film extrusion about 170 - 210 °C. The optimum processing conditions will vary according to the type of equipment used and cannot be considered as performance guarantee.

General Information			
Additive	Antioxidation		
Features	Copolymer		
	Antioxidation		
	Updatable resources		
	Compliance of Food Exposure		
Uses	Packaging		
	Films		
	Lining		
	Wire and cable applications		
	Piping system		
	Mixing		
	General		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.7	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD: Fracture, 38 µm	30.0	MPa	ASTM D882
TD: Fracture, 38 µm	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture, 38 µm	1200	%	ASTM D882
TD: Fracture, 38 µm	1400	%	ASTM D882

Flexural Modulus			ASTM D790
1% Secant, MD : 38 μ m	180	MPa	ASTM D790
1% Secant, TD : 38 μ m	200	MPa	ASTM D790
Dart Drop Impact ¹	90	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 μ m	120	g	ASTM D1922
TD : 38 μ m	340	g	ASTM D1922
Additional Information	Nominal Value	Unit	Test Method
Biobased Content	> 87	%	ASTM D6866
NOTE			

1. F50

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