

Braskem PE LL-118/21

Linear Low Density Polyethylene

Braskem

Message:

Description:
LL118/21 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.

Additive:
Antiblocking Medium
Slip M dium

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

General Information	
Additive	Moderate caking resistance
	Moderate smoothness
Features	Low density
	Low speed solidification crystal point
	Copolymer
	Optical
	General
	Moderate caking resistance
	Moderate smoothness
Uses	Packaging
	Lining
	Mixing
	General
Agency Ratings	FDA 21 CFR 177.1520
Forms	Particle
Processing Method	Film extrusion
	Extrusion blow molding

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
Film Thickness - Tested	38	�m	
Tensile Strength			ASTM D882
MD: Fracture	40.0	MPa	ASTM D882

TD: Fracture	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	1100	%	ASTM D882
TD: Fracture	1300	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD	210	MPa	ASTM D790
1% Secant, TD	230	MPa	ASTM D790
Dart Drop Impact	130	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	180	g	ASTM D1922
TD	400	g	ASTM D1922
Optical	Nominal Value		Test Method
Gloss (60°)	47		ASTM D2457
Extrusion instructions			

Blown Film Temperature profile: 180 to 210°C Blow up ratio: 2 to 3:1 Die gap: 1.8 to 2.5 mm Screen package: 40/40 - 100% pure Screen package: 40/60/40 blend Mass temperature: 190 °C

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