

Braskem PE LL-118

Linear Low Density Polyethylene

Braskem

Message:

Description:

LL118 is a Linear Low Density Polyethylene, copolymer of butene-1, produced by Spherilene process. Developed for blown film extrusion in blends with polyethylenes. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. It contains antioxidant additives.

Applications:

Stretch films; liners; LDPE and HDPE blends and packages for general use. Others applications: blends for irrigation pipes.

General Information			
Additive	Antioxidation		
Features	Low density		
	Low speed solidification crystal point		
	Butene comonomer		
	Copolymer		
	Optical		
	Antioxidation		
Workability, good			
Uses	Packaging		
	Films		
	Lining		
	Mixing		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Film extrusion		
	Blow 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)	1.0	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Tensile Strength			ASTM D882
MD: Fracture	50.0	MPa	ASTM D882
TD: Fracture	40.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	1100	%	ASTM D882

TD: Fracture	1400	%	ASTM D882
Flexural Modulus			ASTM D790
1% Secant, MD	180	MPa	ASTM D790
1% Secant, TD	200	MPa	ASTM D790
Dart Drop Impact	120	g	ASTM D1709
Elmendorf Tear Strength - TD	370	g	ASTM D1922
Optical	Nominal Value		Test Method
Gloss (60°)	48		ASTM D2457
Extrusion	Nominal Value	Unit	
Melt Temperature	170 - 210	°C	
Extrusion instructions			

Blown Film Blow up ratio: 2.2:1

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