

Braskem PE LL218

Linear Low Density Polyethylene

Braskem

Message:

Description:
LL218 is a Linear Low Density Polyethylene, copolymer of butene-1, produced by Spherilene process. Developed for cast film extrusion. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as processability. Very low gel amount. It contains antioxidant additives.

Applications:
Stretch films; liners; LDPE and HDPE blends and packages for general use.

General Information			
Features	Low density		
	Low speed solidification crystal point		
	Butene comonomer		
	Copolymer		
	Optical		
	Workability, good		
Uses	Films		
	Lining		
	Mixing		
	General		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Particle		
Processing Method	Film extrusion		
	cast film		
Physical	Nominal Value	Unit	Test Method
Density	0.918	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.3	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Film Thickness - Tested	38	µm	
Tensile Strength			ASTM D882
MD: Fracture	40.0	MPa	ASTM D882
TD: Fracture	30.0	MPa	ASTM D882
Tensile Elongation			ASTM D882
MD: Fracture	1300	%	ASTM D882
TD: Fracture	1600	%	ASTM D882
Flexural Modulus			ASTM D790

1% Secant, MD	200	MPa	ASTM D790
1% Secant, TD	230	MPa	ASTM D790
Dart Drop Impact	100	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD	150	g	ASTM D1922
TD	190	g	ASTM D1922
Optical	Nominal Value		Test Method
Gloss (60°)	24		ASTM D2457
Extrusion instructions			

Blow-up Ratio: 2,2:1

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