

Braskem PE LF320

Linear Low Density Polyethylene

Braskem

Message:

LF320 is a Linear Low Density Polyethylene, copolymer of butene-1, produced by gas fase 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 processing aid and antioxidant additives.

Applications:

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

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	Antioxidant		
	Processing Aid		
Features	Antioxidant		
	Copolymer		
	Good Processability		
	Low Density		
	Low Gel		
	Opticals		
Uses	Blending		
	Film		
	Liners		
	Packaging		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Cast Film		
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)	2.7	g/10 min	ASTM D1238
Films	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D882
MD : Break, 38 µm	30.0	MPa	
TD : Break, 38 µm	20.0	MPa	
Tensile Elongation			ASTM D882
MD : Break, 38 µm	1100	%	
TD : Break, 38 µm	1400	%	

Flexural Modulus			ASTM D790
1% Secant, MD : 38 μm	180	MPa	
1% Secant, TD : 38 μm	230	MPa	
Dart Drop Impact ¹ (38 μm)	60	g	ASTM D1709
Elmendorf Tear Strength			ASTM D1922
MD : 38 μm	60	g	
TD : 38 μm	320	g	
Optical	Nominal Value	Unit	Test Method
Gloss (60°, 38.0 μm)	68		ASTM D2457
Haze	23	%	ASTM D1003
NOTE			
1.	F50		

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