

Braskem LF320 LLDPE Cast Film Extrusion Polyethylene Copolymer

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Butene, Film

Material Notes:

LF320 is a linear low-density polyethylene, copolymer of butene-1, produced by the gas phase process. It was 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. It has a very low gel amount. It contains processing aid and antioxidant additives. Its applications include: stretch films, liners, LDPE and HDPE blends, and packages for general use. Recommended processing conditions for film extrusion are about 170 - 210 °C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LF320-LLDPE-Cast-Film-Extrusion-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in ³	ASTM-D1505
Melt Flow	2.7 g/10 min	2.7 g/10 min	ASTM-D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	1090 %	1090 %	ASTM-D882
Film Elongation at Break, TD	1380 %	1380 %	ASTM-D882
Elmendorf Tear Strength MD	60 g	60 g	ASTM-D1922
Elmendorf Tear Strength TD	320 g	320 g	ASTM-D1922
Elmendorf Tear Strength, MD	1.58 g/micron	40.1 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	8.42 g/micron	214 g/mil	ASTM-D1922
Dart Drop	1.58 g/micron	40.1 g/mil	ASTM-D1709
Dart Drop Test	60.0 g	0.132 lb	ASTM-D1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM-D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM-D882
1% Secant Modulus, MD	180 MPa	26100 psi	ASTM-D882
1% Secant Modulus, TD	230 MPa	33400 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	23 %	23 %	ASTM-D1003

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