

Braskem BF 0323/12 HC LDPE Blown Film Extrusion Polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

Description: BF0323/12 is a high molecular weight LDPE produced under high pressure technology. Films obtained with this product show outstanding optical properties, excellent mechanical properties, and good shrinkage. 38µm film gauge, obtained in 75mm extruder, die gap 1.0mm, output 1.75 kg/h-cm with 2:1 BUR. Applications: Shrink films; automatic packaging of liquids products (FFS). Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-BF-032312-HC-LDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.32 g/10 min @Load 2.16 kg, Temperature 230 °C	0.32 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	19.0 MPa	2760 psi	ASTM D638
Film Elongation at Break, MD	390 %	390 %	ASTM D882
Film Elongation at Break, TD	1040 %	1040 %	ASTM D882
Elmendorf Tear Strength, TD	100 g/micron	2540 g/mil	F50; ASTM D1922
Dart Drop	100 g/micron	2540 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	40.0 MPa	5800 psi	ASTM D882
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ASTM D882

Thermal Properties	Metric	English	Comments
Vicat Softening Point	99.0 °C	210 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	11 %	11 %	ASTM D1003
Gloss	83 %	83 %	60° angle; ASTM D2457

Processing Properties	Metric	English	Comments
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Processing Properties	Metric	English	Comments
Die Temperature	190 °C	374 °F	
Blow-up Ratio (BUR)	2.0 - 3.0	2.0 - 3.0	

Descriptive Properties	Value	Comments
Additives	Antiblock and Slip	
Minimum Recommended Thickness	50 µm	

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