

Braskem PB 525/64 LDPE Blown Film Extrusion Polyethylene (discontinued **)

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

Material Notes:

38µm film gauge, obtained in 75mm extruder, die gap 1.0mm, output 1.75 kg/h-cm with 2:1 BUR. Applications: Automatic packaging of liquids products (FFS). Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-PB-52564-LDPE-Blown-Film-Extrusion-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.48 g/10 min @Load 2.16 kg, Temperature 230 °C	0.48 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	15.0 MPa	2180 psi	ASTM D638
Film Elongation at Break, MD	206 %	206 %	ASTM D882
Film Elongation at Break, TD	1241 %	1241 %	ASTM D882
Elongation at Break	617 %	617 %	ASTM D638
Coefficient of Friction	0.090	0.090	ASTM D1894
Elmendorf Tear Strength, TD	4.30 g/micron	109 g/mil	ASTM D1922
Dart Drop	4.42 g/micron	112 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	31.0 MPa	4500 psi	ASTM D882
Film Tensile Strength at Break, TD	22.0 MPa	3190 psi	ASTM D882
Heat Seal Strength Initiation Temperature	105 °C	221 °F	Sealing Initial Temperature; Braskem® Method

Thermal Properties	Metric	English	Comments
Vicat Softening Point	89.0 °C	192 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	7.0 %	7.0 %	ASTM D1003

Gloss Optical Properties	9.0 % Metric	9.0 % English	60° angle: ASTM D2457 Comments
Descriptive Properties		Value	Comments
Additives		Antiblock and Slip	
Minimum Recommended Thickness		40 µm	

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