

Braskem EB 861 LDPE Blown Film Extrusion Polyethylene

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: Coextruded films; Shrink films for pallets; general purpose; mulching films. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-EB-861-LDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 230 °C	0.70 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	13.0 MPa	1890 psi	ASTM D638
Film Elongation at Break, MD	363 %	363 %	ASTM D882
Film Elongation at Break, TD	1331 %	1331 %	ASTM D882
Elongation at Break	672 %	672 %	ASTM D638
Coefficient of Friction	0.82	0.82	ASTM D1894
Elmendorf Tear Strength, TD	4.30 g/micron	109 g/mil	ASTM D1922
Dart Drop	3.44 g/micron	87.4 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	34.0 MPa	4930 psi	ASTM D882
Film Tensile Strength at Break, TD	25.0 MPa	3630 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	91.0 °C	196 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	5.7 %	5.7 %	ASTM D1003

Gloss Optical Properties	10.8 % Metric	10.8 % English	60° angle: ASTM D2457 Comments
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Descriptive Properties	Value	Comments
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Minimum Recommended Thickness	35 μ m	
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