

## Braskem EB 861/51 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. Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-EB-86151-LDPE-Blown-Film-Extrusion-Polyethylene.php](http://www.lookpolymers.com/polymer_Braskem-EB-86151-LDPE-Blown-Film-Extrusion-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in <sup>3</sup>	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	14.0 MPa	2030 psi	ASTM D638
Film Elongation at Break, MD	363 %	363 %	ASTM D882
Film Elongation at Break, TD	1331 %	1331 %	ASTM D882
Elongation at Break	645 %	645 %	ASTM D638
Coefficient of Friction	0.16	0.16	ASTM D1894
Elmendorf Tear Strength, TD	4.40 g/micron	112 g/mil	ASTM D1922
Dart Drop	3.60 g/micron	91.4 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	5.9 %	5.9 %	ASTM D1003

Gloss	10.8 %	10.8 %	60° angle: ASTM D2457
Optical Properties	Metric	English	Comments
Descriptive Properties		Value	Comments
Additives		Antiblock and Slip	
Minimum Recommended Thickness		35 µm	

## Contact Songhan Plastic Technology Co.,Ltd.

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