

## Braskem BC 818 LDPE Extrusion Coating 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: Extrusion coating.

Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-BC-818-LDPE-Extrusion-Coating-Polyethylene.php](http://www.lookpolymers.com/polymer_Braskem-BC-818-LDPE-Extrusion-Coating-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in <sup>3</sup>	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 230 °C	7.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength at Break	10.0 MPa	1450 psi	ASTM D638
Film Elongation at Break, MD	330 %	330 %	ASTM D882
Film Elongation at Break, TD	1100 %	1100 %	ASTM D882
Elongation at Break	611 %	611 %	ASTM D638
Coefficient of Friction	0.86	0.86	ASTM D1894
Dart Drop	1.97 g/micron	50.0 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	22.0 MPa	3190 psi	ASTM D882
Film Tensile Strength at Break, TD	17.0 MPa	2470 psi	ASTM D882
Heat Seal Strength Initiation Temperature	100 °C	212 °F	Sealing Initial Temperature; Braskem® Method

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.0 °C	189 °F	ASTM D1525

Optical Properties	Metric	English	Comments
Haze	10.6 %	10.6 %	ASTM D1003
Gloss	8.2 %	8.2 %	60° angle; ASTM D2457

Descriptive Properties	Value	Comments
Minimum Recommended Thickness	10 $\mu$ m	

## Contact Songhan Plastic Technology Co.,Ltd.

Website : [www.lookpolymers.com](http://www.lookpolymers.com)

Email : [sales@lookpolymers.com](mailto:sales@lookpolymers.com)

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China