

## Braskem LF118 LLDPE Blown Film Extrusion Polyethylene Copolymer

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LLDPE , Linear Low Density Polyethylene (LLDPE)/Butene, Film

### Material Notes:

LF118 is a linear low-density polyethylene, copolymer of butene-1, produced by the gas phase process. It is developed for blown film extrusion in blends with polyethylene. Films obtained with this product show a good processing performance balanced with good mechanical properties as well as sealability. It contains antioxidant additives. Its applications include: stretch films, liners, and LDPE and HDPE blends and packages for general use. Recommended processing conditions for film extrusion are about 170 - 210 °C.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-LF118-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php](http://www.lookpolymers.com/polymer_Braskem-LF118-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php)

Physical Properties	Metric	English	Comments
Density	0.919 g/cc	0.0332 lb/in <sup>3</sup>	ASTM-D1505
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	1120 %	1120 %	ASTM-D882
Film Elongation at Break, TD	1440 %	1440 %	ASTM-D882
Elmendorf Tear Strength MD	110 g	110 g	ASTM-D1922
Elmendorf Tear Strength TD	400 g	400 g	ASTM-D1922
Elmendorf Tear Strength, MD	2.89 g/micron	73.4 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	10.53 g/micron	267.5 g/mil	ASTM-D1922
Dart Drop	2.89 g/micron	73.4 g/mil	ASTM-D1709
Dart Drop Test	110 g	0.243 lb	ASTM-D1709
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ASTM-D882
Film Tensile Strength at Break, TD	40.0 MPa	5800 psi	ASTM-D882
1% Secant Modulus, MD	200 MPa	29000 psi	ASTM-D882
1% Secant Modulus, TD	230 MPa	33400 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	ASTM-D1003
Gloss	120 %	120 %	Angle 60°; ASTM-D2457

Optical Properties

Metric

English

Comments

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