

Braskem LF 118/21 LLDPE Blown Film Extrusion Polyethylene Copolymer

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

Material Notes:

LF 118/21 is a LLDPE Butene copolymer produced by Braskem. It was specially designed to provide outstanding processing performance. Films obtained with this grade show good physical and optical properties and enhanced sealability. It contains medium antiblocking and medium slip additives. Its applications include: automatic packaging (FFS), general use, bags and packages in general, and LDPE and HDPE blends.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LF-11821-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM-D792
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	788 %	788 %	ASTM-D882
Film Elongation at Break, TD	937 %	937 %	ASTM-D882
Elmendorf Tear Strength MD	108 g	108 g	ASTM-D1922
Elmendorf Tear Strength TD	328 g	328 g	ASTM-D1922
Elmendorf Tear Strength, MD	4.32 g/micron	110 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	13.12 g/micron	333.2 g/mil	ASTM-D1922
Dart Drop	4.08 g/micron	104 g/mil	ASTM-D1709
Dart Drop Test	102 g	0.225 lb	ASTM-D1709
Film Tensile Strength at Break, MD	26.0 MPa	3770 psi	ASTM-D882
Film Tensile Strength at Break, TD	19.0 MPa	2760 psi	ASTM-D882
1% Secant Modulus, MD	201 MPa	29200 psi	ASTM-D882
1% Secant Modulus, TD	230 MPa	33400 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	10 %	10 %	ASTM-D1003
Gloss	114 %	114 %	Angle 60°; ASTM-D2457

Optical Properties

Metric

English

Comments

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