

Braskem LL118/21 Blown Film Extrusion Linear Low Density Polyethylene

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

Material Notes:

Description: LL118/21 is a LLDPE Butene copolymer produced by Braskem. It is a general purpose product that shows a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. Applications: Automatic packaging and general use; Bags and packages in general; LDPE and HDPE blends. Additives: Antiblock, D and Slip Medium Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LL11821-Blown-Film-Extrusion-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.917 g/cc	0.917 g/cc	ASTM D1505/D792
Thickness	38.0 microns	1.50 mil	
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	1070 %	1070 %	ASTM D882
Film Elongation at Break, TD	1340 %	1340 %	ASTM D882
Elmendorf Tear Strength MD	180 g	180 g	gF; ASTM D1922
Elmendorf Tear Strength TD	400 g	400 g	gF; ASTM D1922
Dart Drop Test	130 g	0.287 lb	gF/50%F; ASTM D1709
Film Tensile Strength at Break, MD	40.0 MPa	5800 psi	ASTM D882
Film Tensile Strength at Break, TD	30.0 MPa	4350 psi	ASTM D882
1% Secant Modulus, MD	210 MPa	30500 psi	ASTM D882
1% Secant Modulus, TD	230 MPa	33400 psi	ASTM D882

Optical Properties	Metric	English	Comments
Gloss	47 % @Thickness 0.0380 mm	47 % @Thickness 0.00150 in	60°; ASTM D2457

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