

Braskem Green PE SLL118/21 Blow Film Extrusion and Cast Film Extrusion Linear Low Density Polyethylene

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

Material Notes:

Description: SLL118/21 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. The minimum biobased content of this grade is 87%, determined according to ASTM D6866. Additive: Antiblocking Medium; Slip Medium Applications: Automatic Packaging (FFS); liners; general purpose; HDPE and LDPE blends. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Green-PE-SLL11821-Blow-Film-Extrusion-and-Cast-Film-Extrusion-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.919 g/cc	0.919 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	g/F50; 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

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