

Braskem Green PE SLH118 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: SLH118 is a Linear Low Density Polyethylene, copolymer of hexene-1. Developed for blown film extrusion in blends with polyethylenes. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as sealability. Very low gel amount. It contains antioxidant additives. The minimum biobased content of this grade is 84%, determined according to ASTM D6866. Applications: Stretch films; liners; LDPE and HDPE blends and packages for general use. Others applications: blends for irrigation pipes. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-Green-PE-SLH118-Blow-Film-Extrusion-and-Cast-Film-Extrusion-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.916 g/cc	0.916 g/cc	ASTM D1505/D792
Thickness	25.0 microns	0.984 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	1030 %	1030 %	ASTM D882
Film Elongation at Break, TD	1360 %	1360 %	ASTM D882
Elmendorf Tear Strength MD	300 g	300 g	gF; ASTM D1922
Elmendorf Tear Strength TD	510 g	510 g	gF; ASTM D1922
Dart Drop Test	150 g	0.331 lb	g/F50; ASTM D1709
Film Tensile Strength at Break, MD	40.0 MPa	5800 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	210 MPa	30500 psi	ASTM D882

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