

Braskem LH 118 LLDPE Blown Film Extrusion Polyethylene

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

Material Notes:

Description: LH118 is a Linear Low Density Polyethylene, copolymer of hexene-1, produced by Spherilene process. 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. 38µm film gauge, obtained in 40mm extruder, with blow up ratio 2, 2:1 Applications: Stretch film; "liners"; general purpose; HDPE and LDPE blends. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LH-118-LLDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.916 g/cc	0.0331 lb/in ³	ASTM D1505
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	1080 %	1080 %	ASTM D882
Film Elongation at Break, TD	1360 %	1360 %	ASTM D882
Elmendorf Tear Strength MD	300 g	300 g	ASTM 1922
Elmendorf Tear Strength TD	510 g	510 g	ASTM 1922
Dart Drop Test	150 g	0.331 lb	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	1.45 MPa	210 psi	ASTM D882

Optical Properties	Metric	English	Comments
Gloss	69 %	69 %	60° angle; ASTM D2457

Descriptive Properties	Value	Comments
Minimum Recommended Thickness	15 µm	

Descriptive Properties	Value	Comments
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