

Braskem LL 218 LLDPE Cast Film Extrusion Polyethylene

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

Material Notes:

Description: LL218 is a Linear Low Density Polyethylene, copolymer of butene-1, produced by Spherilene process. Developed for cast film extrusion. Films obtained with this product show a good processing performance balanced with good optical and mechanical properties as well as processability. 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-LL-218-LLDPE-Cast-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	2.3 g/10 min @Load 2.16 kg, Temperature 190 °C	2.3 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	1310 %	1310 %	ASTM D882
Film Elongation at Break, TD	1560 %	1560 %	ASTM D882
Secant Modulus, MD	0.200 GPa	29.0 ksi	1%; ASTM D882
Secant Modulus, TD	0.230 GPa	33.4 ksi	1%; ASTM D882
Coefficient of Friction	0.70	0.70	ASTM D1894
Elmendorf Tear Strength MD	150 g	150 g	ASTM D1922
Elmendorf Tear Strength TD	190 g	190 g	ASTM D1922
Dart Drop Test	100 g	0.221 lb	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

Optical Properties	Metric	English	Comments
Gloss	24 %	24 %	60° angle; ASTM D2457

Descriptive Properties	Value	Comments
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Minimum Recommended Thickness Descriptive Properties	30 μ m Value	Comments
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