

Braskem LL218 Cast Film Extrusion Linear Low Density Polyethylene

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

Material Notes:

Stretch films; Liners; LDPE and HDPE blends; Packages for general use. Information provided by Braskem.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LL218-Cast-Film-Extrusion-Linear-Low-Density-Polyethylene.php

Physical Properties	Metric	English	Comments
Specific Gravity	0.918 g/cc	0.918 g/cc	ASTM D1505/D792
Thickness	25.0 microns	0.984 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
Elmendorf Tear Strength MD	150 g	150 g	gF; ASTM D1922
Elmendorf Tear Strength TD	190 g	190 g	gF; ASTM D1922
Dart Drop Test	100 g	0.221 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	200 MPa	29000 psi	ASTM D882
1% Secant Modulus, TD	230 MPa	33400 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	54 % @Thickness 0.0250 mm	54 % @Thickness 0.000984 in	ASTM D1003
Gloss	24 % @Thickness 0.0250 mm	24 % @Thickness 0.000984 in	60°; ASTM D2457

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