

Braskem LQ 0518/30 LLDPE Blown Film Extrusion Polyethylene

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

Material Notes:

38µm film gauge, obtained in 40mm extruder, with blow up ratio 2, 2:1 Applications: Heavy duty bags; shrink film. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LQ-051830-LLDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.55 g/10 min @Load 2.16 kg, Temperature 190 °C	0.55 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	885 %	885 %	ASTM D882
Film Elongation at Break, TD	1088 %	1088 %	ASTM D882
Secant Modulus, MD	0.266 GPa	38.6 ksi	1%; ASTM D882
Secant Modulus, TD	0.320 GPa	46.4 ksi	1%; ASTM D882
Coefficient of Friction	0.67	0.67	ASTM D1894
Elmendorf Tear Strength, MD	10.6 g/micron	269 g/mil	ASTM 1922
Elmendorf Tear Strength, TD	25.4 g/micron	645 g/mil	ASTM 1922
Dart Drop	3.60 g/micron	91.4 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	57.0 MPa	8270 psi	ASTM D882
Film Tensile Strength at Break, TD	42.0 MPa	6090 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	13.4 %	13.4 %	ASTM D1003
Gloss	8.4 %	8.4 %	60° angle; ASTM D2457

Descriptive Properties	Value	Comments
Additives	Antiblock and PPA	

Descriptive Properties	Value	Comments
Minimum Recommended Thickness	45 µm	

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