

Braskem LF 0720/20 AF 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; "liners"; general purpose; HDPE and LDPE blends. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LF-072020-AF-LLDPE-Blown-Film-Extrusion-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM D1505
Thickness	38.0 microns	1.50 mil	
Melt Flow	0.70 g/10 min @Load 2.16 kg, Temperature 190 °C	0.70 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	958 %	958 %	ASTM D882
Film Elongation at Break, TD	1190 %	1190 %	ASTM D882
Secant Modulus, MD	0.175 GPa	25.4 ksi	1%; ASTM D882
Secant Modulus, TD	0.205 GPa	29.7 ksi	1%; ASTM D882
Coefficient of Friction	0.70	0.70	ASTM D1894
Elmendorf Tear Strength, MD	3.30 g/micron	83.8 g/mil	ASTM 1922
Elmendorf Tear Strength, TD	14.6 g/micron	371 g/mil	ASTM 1922
Dart Drop	2.55 g/micron	64.8 g/mil	ASTM D1709
Film Tensile Strength at Break, MD	38.0 MPa	5510 psi	ASTM D882
Film Tensile Strength at Break, TD	32.0 MPa	4640 psi	ASTM D882

Optical Properties	Metric	English	Comments
Haze	8.8 %	8.8 %	ASTM D1003
Gloss	10.7 %	10.7 %	60° angle; ASTM D2457

Descriptive Properties	Value	Comments
Additives	Antiblock and PPA	

Descriptive Properties	Value	Comments
Minimum Recommended Thickness	30 µm	

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