

Braskem LL6800N LLDPE Blown Film Extrusion Polyethylene Copolymer

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

Material Notes:

LL6800N resin is a linear low-density polyethylene, copolymer of octene-1, produced by the solution process for blown film extrusion with excellent mechanical properties. It contains antiblock, processing aid, and antioxidant additives. Its applications include: heavy-duty bags, liners, LDPE and HDPE blends, and packages for general use. LL6800N resin should be processed on specific extruders for LLDPE. The best results are obtained at a melt temperature within the range of 200 to 220° and blends with LDPE with a maximum ratio of 30%.

Recommended blow up ratio: 1.8 to 3:1.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LL6800N-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.921 g/cc	0.0333 lb/in ³	ASTM-D792
Melt Flow	0.75 g/10 min	0.75 g/10 min	ASTM-D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	900 %	900 %	ASTM-D882
Film Elongation at Break, TD	1240 %	1240 %	ASTM-D882
Elmendorf Tear Strength MD	260 g	260 g	ASTM-D1922
Elmendorf Tear Strength TD	570 g	570 g	ASTM-D1922
Elmendorf Tear Strength, MD	10.4 g/micron	264 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	22.8 g/micron	579 g/mil	ASTM-D1922
Dart Drop	7.60 g/micron	193 g/mil	ASTM-D1709
Dart Drop Test	190 g	0.419 lb	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	180 MPa	26100 psi	ASTM-D882
1% Secant Modulus, TD	200 MPa	29000 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	14 %	14 %	ASTM-D1003

Optical Properties	Metric	English	Comments
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ASTM-D2457

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