

Braskem LL5800N LLDPE Blown Film Extrusion Polyethylene Copolymer

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

Material Notes:

LL5800N 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 processing aid and antioxidant additives. Its applications include: heavy-duty bags, stretch liners, LDPE and HDPE blends, and packages for general use. LL5800N 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-LL5800N-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM-D792
Melt Flow	1.0 g/10 min @Load 2.16 kg, Temperature 190 °C	1.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	920 %	920 %	ASTM-D882
Film Elongation at Break, TD	1240 %	1240 %	ASTM-D882
Elmendorf Tear Strength MD	330 g	330 g	ASTM-D1922
Elmendorf Tear Strength TD	770 g	770 g	ASTM-D1922
Elmendorf Tear Strength, MD	13.2 g/micron	335 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	30.8 g/micron	782 g/mil	ASTM-D1922
Dart Drop	8.00 g/micron	203 g/mil	ASTM-D1709
Dart Drop Test	200 g	0.441 lb	ASTM-D1709
Film Tensile Strength at Break, MD	50.0 MPa	7250 psi	ASTM-D882
Film Tensile Strength at Break, TD	40.0 MPa	5800 psi	ASTM-D882
1% Secant Modulus, MD	150 MPa	21800 psi	ASTM-D882
1% Secant Modulus, TD	170 MPa	24700 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	8.0 %	8.0 %	ASTM-D1003

Optical Properties	Metric	English	Comments
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ASTM-D2457

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