

Braskem LL6801N LLDPE Blown Film Extrusion Polyethylene Copolymer

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

Material Notes:

The LL6801N 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, slip, antiblock, and antioxidant additives. Its applications range from high performance films to automatic packaging of solid and liquids and include lamination and coextrusion. The LL6801N 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°C.

Recommended blow up ratio: 2.4 to 3.0:1.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LL6801N-LLDPE-Blown-Film-Extrusion-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 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	940 %	940 %	ASTM-D882
Film Elongation at Break, TD	1260 %	1260 %	ASTM-D882
Elmendorf Tear Strength MD	350 g	350 g	ASTM-D1922
Elmendorf Tear Strength TD	780 g	780 g	ASTM-D1922
Elmendorf Tear Strength, MD	14.0 g/micron	356 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	31.2 g/micron	792 g/mil	ASTM-D1922
Dart Drop	9.20 g/micron	234 g/mil	ASTM-D1709
Dart Drop Test	230 g	0.507 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	150 MPa	21800 psi	ASTM-D882
1% Secant Modulus, TD	180 MPa	26100 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	9.0 %	9.0 %	ASTM-D1003

Optical Properties	Metric	English	Comments
			ASTM-D2457

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