

Braskem LL4800N PEBDL Cast Film Extrusion Polyethylene Copolymer

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

Material Notes:

LL4800N is a linear low-density polyethylene, copolymer of octene-1, produced by the solution process. It was developed for cast film extrusion. Films obtained with this product show a good processing performance balanced with excellent mechanical and optics properties. It contains processing aid and antioxidant additives. Its applications include: stretch films, liners, LDPE and HDPE blends, and packages for general use. LL4800N must be processed in extruder of plain matrix, adjusted to this polymer. The best conditions for processing result from an extrusion temperature between 220 to 270°C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LL4800N-PEBDL-Cast-Film-Extrusion-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.917 g/cc	0.0331 lb/in ³	ASTM-D792
Melt Flow	2.1 g/10 min @Load 2.16 kg, Temperature 190 °C	2.1 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	1220 %	1220 %	ASTM-D882
Film Elongation at Break, TD	1570 %	1570 %	ASTM-D882
Elmendorf Tear Strength MD	350 g	350 g	ASTM-D1922
Elmendorf Tear Strength TD	670 g	670 g	ASTM-D1922
Elmendorf Tear Strength, MD	14.0 g/micron	356 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	26.8 g/micron	681 g/mil	ASTM-D1922
Dart Drop	5.20 g/micron	132 g/mil	ASTM-D1709
Dart Drop Test	130 g	0.287 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	34 %	34 %	ASTM-D1003

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