

Braskem LL318 LLDPE Cast Film Extrusion Polyethylene Copolymer

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

Material Notes:

LL318 is a linear low-density polyethylene, copolymer of butene-1, produced by the Spherilene process. It was developed for cast film extrusion. Films obtained with this product show good mechanical properties and enhanced sealability. It contains antioxidant additives. Its applications include: stretch films; liners; LDPE and HDPE blends and packages for general use; blends for irrigation pipes; and insulation for low and medium tension XLPE wires and cables. Recommended processing conditions for film extrusion are about 170 - 210 °C.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-LL318-LLDPE-Cast-Film-Extrusion-Polyethylene-Copolymer.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM-D1505
Melt Flow	2.7 g/10 min	2.7 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	1220 %	1220 %	ASTM-D882
Film Elongation at Break, TD	1440 %	1440 %	ASTM-D882
Elmendorf Tear Strength MD	120 g	120 g	ASTM-D1922
Elmendorf Tear Strength TD	340 g	340 g	ASTM-D1922
Elmendorf Tear Strength, MD	3.16 g/micron	80.3 g/mil	ASTM-D1922
Elmendorf Tear Strength, TD	8.95 g/micron	227 g/mil	ASTM-D1922
Dart Drop	2.37 g/micron	60.2 g/mil	ASTM-D1709
Dart Drop Test	90.0 g	0.198 lb	ASTM-D1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM-D882
Film Tensile Strength at Break, TD	30.0 MPa	4350 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	61 %	61 %	ASTM-D1003

Optical Properties	Metric	English	Comments
			ASTM-D2457

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