

Braskem PB681 LDPE Cast and Blown Film Extrusion, Injection Molding Polyethylene

Category : Polymer , Film , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Film Grade

Material Notes:

PB681 is a resin produced under high pressure in a tubular reactor. This resin presents excellent 'draw down' (stability to form fine films). The films produced with this resin have excellent optical properties. It does not contain additives. It is used in LLDPE and HDPE blends. For blown film extrusion processing the screw - L/D relation should be 16 to 30:1, the compression rate should be 3 to 4:1, and the frost line height should at most be equivalent to the bubble diameter. For cast film extrusion processing the screw - L/D relation should be at least 20:1.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-PB681-LDPE-Cast-and-Blown-Film-Extrusion-Injection-Molding-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.922 g/cc	0.0333 lb/in ³	ASTM-D1505
Melt Flow	3.8 g/10 min @Load 2.16 kg, Temperature 190 °C	3.8 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Film Elongation at Break, MD	370 %	370 %	ASTM-D882
Film Elongation at Break, TD	1070 %	1070 %	ASTM-D882
Elmendorf Tear Strength TD	100 g	100 g	ASTM-D1922
Elmendorf Tear Strength, TD	2.63 g/micron	66.8 g/mil	ASTM-D1922
Dart Drop	1.58 g/micron	40.1 g/mil	ASTM-D1709
Dart Drop Test	60.0 g	0.132 lb	ASTM-D1709
Film Tensile Strength at Break, MD	30.0 MPa	4350 psi	ASTM-D882
Film Tensile Strength at Break, TD	20.0 MPa	2900 psi	ASTM-D882

Optical Properties	Metric	English	Comments
Haze	4.0 %	4.0 %	ASTM-D1003
Gloss	120 %	120 %	Angle 60°; ASTM-D2457

Processing Properties	Metric	English	Comments
Die Temperature	250 - 290 °C	482 - 554 °F	Cast Film Extrusion

Processing Properties	Metric25.0 °C	English7.0 °F	Comments
Blow-up Ratio (BUR)	2.0 - 3.0	2.0 - 3.0	Blown Film Extrusion
Roll Temperature	40.0 °C	104 °F	Chill

Descriptive Properties	Value	Comments
Screen Package	40/60/40	mesh, Blown Film Extrusion
Temperature Profile (°C)	110	Blown Film Extrusion: 1st zone
	140	Blown Film Extrusion: From the screw to the die
	150	Blown Film Extrusion: Die
	180-220	Injection Molding
	180-250	Cast Film Extrusion: Screw

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China