Braskem

Datasheet
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Low Density Polyethylene PB681

Description:

The PB681 is a resin produced under high pressure, in tubular reactor. This resin presents excellent 'draw down'(stability to form fine films). The films produced with this resin present excellent optical properties.

Applications:

Blends with LLDPE, Blends with HDPE

Processes:

Cast Film Extrusion., Blown Film Extrusion, Injection molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	3.8
Density	D 792	g/cm³	0.922

Typical Properties - Films:

Blown Film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	23/14
Elongation at Break (MD/TD)	D 882	%	370/875
1% Secant Modulus (MD/TD)	D 882	MPa	145/150
Dart Drop Impact	D 1709	g/F50	75
Elmendorf Tear Strength (MD/TD)	D 1922	gF	685/265
Haze	D 1003	%	7
Gloss - Angle 45º	D 2457	%	75
Gloss - Angle 60º	D 2457	%	100

(a) 40 µm thickness film in a 75mm screw diameter extruder with blow up ratio of 2.2:1. (MD: Machine Direction; TD: Transversal Direction)

Final Remarks

1. It is the sole responsibility of the Client/Purchaser of this Product to verify the suitability of this Product and its use for the intended use and to ensure compliance with legal and regulatory requirements applicable to the final product.
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