Braskem

Datasheet
Jul23

Low Density Polyethylene BF2021

Description:

BF2021 is a grade that shows excellent processability in cast films.

Applications:
Foamed PE Blankets, General use films

Processes:
Cast Film Extrusion., Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.0
Density	D 1505	g/cm³	0.921

Typical Properties - Plaque[1]:
Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Break (a)	D 638	MPa	13
Elongation at Break (a)	D 638	%	905
Vicat Softening Temperature at 10 N (b)	D 1525	°C	90

[1] Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

Typical Properties - Films:
Blown Film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	30/20
Elongation at Break (MD/TD)	D 882	%	290/1000
Dart Drop Impact	D 1709	g/F50	60
Elmendorf Tear Strength (MD/TD)	D 1922	gF	ND(b)/100
Haze	D 1003	%	10
Gloss - Angle 60º	D 2457	%	80

a) 38 µm Film Gauge, obtained in 75 mm extruder, with 2:1 BUR. die gap 1.0 mm, (MD: Machine direction; TD: Transversal direction). (b) ND: Not Determined.

Final Remarks:

1. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.