


Datasheet
26/12/2018

Low Density Polyethylene BF0323HC

Description:

BF0323HC is a high molecular weight grade produced under high pressure. Films obtained with this product show excellent mechanical and optical properties.

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.32
Density	D 1505	g/cm ³	0.923

Typical Properties - Plaque¹:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	10
Tensile Strength at Break (a)	D 638	MPa	15
Izod Impact Strength (b)	D 256	J/m	NB
Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 100% Igepal CO630 (a)	D 1693	h/F50	30
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	45

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:

Blow Film Reference Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	20/20
Elongation at Break (MD/TD)	D 882	%	390/930
Dart Drop Impact	D 1709	g/F50	290
Elmendorf Tear Strength (MD/TD)	D 1922	gF	ND(b)/270
Haze	D 1003	%	10
Gloss - Angle 60°	D 2457	%	92

(a) Film of 70 µm thickness, obtained in a 75 mm extruder, with a blow ratio of 2: 1, a die opening of 1.0 mm. (DM = Direction of Extrusion and DT = Direction Transversal to Extrusion). (b) Not Determined.

Final Remarks:

- 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.
- For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
- For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.