


Datasheet
 Sep/2020

High Density Polyethylene HD2000F

Description:

HD2000F is a bimodal high density polyethylene developed for the segment of high molar mass extrusion film. It exhibits good tenacity and excellent impact resistance, even for small thickness. This resin has a large molar mass distribution, giving the product a good processability.

Applications:

Bags, Perforated Bags , Repackaging, Bags

Processes:

Blown Film Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/5kg)	ASTM D 1238	g/10 min	0.33
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/10 min	9.3
Density	ASTM D 792	g/cm ³	0.952

Typical Properties - Films:

Blown Film Properties^a

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	64/53
Elongation at Break (MD/TD)	D 882	%	477/611
Tensile Strength at Yield (MD/TD)	D 882	MPa	26/32
Elongation at Yield (MD/TD)	D 882	%	5/7
Dart Drop Impact	D 1709	g/F50	380
Elmendorf Tear Strength (MD/TD)	D 1922	gF	11/65
Secant Modulus 1%	D 882	MPa	890/1100
Sealing Initial Temperature	Braskem	°C	125

(a) Film with 14 microns produce in a 75mm extruder with 1,3 mm of die gap and a blow-up ratio of 4.5:1. (MD = extrusion direction and TD = transversal direction).

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.