Braskem

Datasheet
19/02/2026

High Density Polyethylene BF4810

Description:

BF4810 is a high density high molecular weight polyethylene copolymer resin that shows an excellent dart impact and puncture resistance, high tensile strength, good sealability and an outstanding processing performance.

Applications:

Film, Repackaging, Perforated Bags , Bags

Processes:

Blown Film Extrusion

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/5kg)	D 1238	g/10 min	0.45
Melt Flow Rate (190°C/21.6kg)	D 1238	g/10 min	10
Density	D 792	g/cm³	0.948

Typical Properties - Films:

Blown Film Properties[a]

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	50/40
Elongation at Break (MD/TD)	D 882	%	510/860
Tensile Strength at Yield (MD/TD)	D 882	MPa	25/25
Elongation at Yield (MD/TD)	D 882	%	5/5
Dart Drop Impact	D 1709	g/F50	135
Elmendorf Tear Strength (MD/TD)	D 1922	gF	50/70
Secant Modulus 1%	D 882	MPa	655/790
Sealing Initial Temperature	Braskem	°C	123

(a) Film with 12,5 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

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.
2. The technical guidance eventually rendered to the Client/Purchaser of the Product by Braskem about the Product does not characterize a performance guarantee for the intended application, nor does it exempt the Client/Purchaser from the responsibilities described in item 1 above.
3. Any application information about the Product does not mean that Braskem knows or has validated the productive process of the Client/Purchaser or the adequacy of the Product for the intended application. All warranties of merchantability or fitness for a particular purpose, express or implied, are expressly excluded.
4. The information provided herein is of the date hereof and Braskem may update, revise or amend the information contained herein at any time and without previous notice. The Client/Purchaser shall consult www.braskem.com to verify any updates to this information.
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6. The information contained herein is provided based on the best of Braskem's knowledge, indicating typical values of the properties of the Product, and such values shall not be considered absolute or as a guarantee.