Braskem

Datasheet
07/11/2025

Low Density Polyethylene LD7000A

Description:

LD7000A is a Low Density Polyethylene produced by High Pressure technology. LD7000A is intended for the manufacturing of extruded films. It has high mechanical and impact strength, good processability, and good shrinkage.

Applications:

Industrial packaging, Blends with HDPE, Squeeze packaging, plastic covers, Shrink film., Industrial Sacks, High Strength industrial packaging , Blends with LLDPE

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.34
Density	D 792	g/cm³	0.921

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	10
Tensile Strength at Break (a)	D 638	MPa	15
Deflection Temperature under Load at 0.455 MPa (b)	D 648	ºC	45

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

Typicas Properties - Films:

Blow Film Reference Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	25/25
Elongation at Break (MD/TD)	D 882	%	320/880
Dart Drop Impact	D 1709	g/F50	350
Elmendorf Tear Strength (MD/TD)	D 1922	gF	ND(b)/250
Haze	D 1003	%	12
Gloss - Angle 60º	D 2457	%	60

(a) Film of 70 µm thickness, obtained in a 40 mm extruder, with a blow ratio of 2.2: 1, a die opening of 1.0 mm. (DM = Direction of Extrusion and DT = Direction Transversal to Extrusion). (b) Not Determined.

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.
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