Braskem

Datasheet
07/10/2025

Low Density Polyethylene TS7003

Description:

TS7003 is a low density polyethylene (LDPE) with high molecular weight that offers high mechanical strength and toughness even at low temperatures. Additionally, this product is easily processed .The product was developed to meet the requirements for automatic packaging. The additive package provides low coefficient of friction - COF, allowing high productivity on the packaging lines. This product is identified as PE 115 according to ASTM D-4976-04a standard specification.

Applications:

Flexible packaging.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.27
Density	D 792	g/cm³	0.922

Typicas 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	%	380/910
Tensile Modulus - 2% Secant (MD/TD)	D 882	MPa	140/150
Dart Drop Impact	D 1709	g/F50	230
Elmendorf Tear Strength (MD/TD)	D 1922	gF	300/220
Haze	D 1003	%	20
Gloss - Angle 45º	D 2457	%	41
Gloss - Angle 60º	D 2457	%	54

(a) Film of 70 µm thickness, obtained in a 50 mm extruder, with a blow ratio of 2.3: 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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