Braskem

Datasheet
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Low Density Polyethylene TX7001

Description:

TX7001 is a low-density polyethylene (LDPE) with high molecular weight, designed to satisfy those applications that require high mechanical strength and environmental stress cracking resistance (ESCR), together with good processability, proper of branched polyethylene produced by a high-pressure process. TX7001 resin presents an excellent performance in conventional LDPE extruders, granting low energy consumption during the whole process and allowing the production of packaging with a good dimensional uniformity and an excellent surface finishing. This product is identified as PE 115 according to ASTM D-4976-04a standard specification.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.14
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	25/25
Elongation at Break (MD/TD)	D 882	%	350/940
Tensile Modulus - 2% Secant (MD/TD)	D 882	MPa	150/170
Dart Drop Impact	D 1709	g/F50	230
Elmendorf Tear Strength (MD/TD)	D 1922	gF	180/200
Haze	D 1003	%	24
Gloss - Angle 45º	D 2457	%	32
Gloss - Angle 60º	D 2457	%	40

(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.
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.
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