


Datasheet

26/12/2018

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/cm ³	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 45°	D 2457	%	32
Gloss - Angle 60°	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:

- 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.