Braskem

Datasheet
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Low Density Polyethylene TN7006

Description:

TN7006 is a low-density polyethylene (LDPE) specially developed for coextruded films and lamination. The resin presents a great combination among mechanical, optical and stiffness properties. Besides TN7006 has low gels content which ensure a production of excellent appearance films. This product is identified as PE 114 according to ASTM D-4976-04a standard specification.

Applications:

Packing for solid products, Tissue and hygiene packaging, Flat films for tablecloths, curtains and laminated fabrics, Liquid food packaging, Bottles, Coextruded packaging for food products, such as: cheeses, meats, sausages and sliced products, Flexible packaging.

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.60
Density	D 1505	g/cm³	0.924

Typical Properties - Films:

Blown Film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	25/20
Elongation at Break (MD/TD)	D 882	%	280/870
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	165/175
Dart Drop Impact	D 1709	g/F50	140
Elmendorf Tear Strength (MD/TD)	D 1922	gF	-/160
Haze	D 1003	%	9
Gloss - Angle 45º	D 2457	%	65
Gloss - Angle 60º	D 2457	%	90

(a) 40 µm thickness film in a 50mm screw diameter extruder with blow up ratio of 2.2:1, die gap 1 mm. (MD: Machine Direction; 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.
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