Braskem

Datasheet
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Low Density Polyethylene TS9022

Description:

TS9022 is a low density polyethylene (LDPE), developed specially for automatic overwrap packaging. This resin has a combination of high optical properties and excellent stiffness. The incorporated additive package consists of an antiblocking agent in high level and a slip agent in medium level, to guarantee a low coefficient of friction (COF), which fundamental for improved machineability in overwrap applications. This product is identified as PE 123 according to ASTM D-4976-04a standard specification.

Additivation:

-Antiblocking agent

-Slip agent

Applications:

Laminates, Tissue and hygiene packaging, packaging that requires greater stiffness and good optical properties, Food packaging, Flexible packaging (BOPP)

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.20
Density	D 792	g/cm³	0.931

Typical Properties - Films:

Blown Film Properties (a)

Feature	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	20/15
Elongation at Break (MD/TD)	D 882	%	350/950
Tensile Modulus - 1% Secant (MD/TD)	D 882	MPa	190/170
Dart Drop Impact	D 1709	g/F50	100
Elmendorf Tear Strength (MD/TD)	D 1922	gF	-/350
Haze	D 1003	%	10
Gloss - Angle 45º	D 2457	%	70
Gloss - Angle 60º	D 2457	%	100

(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.
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