

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:

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

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.20
Density	D 792	g/cm ³	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 45°	D 2457	%	70
Gloss - Angle 60°	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:

- 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.