Low Density Polyethylene STN7006

Description:

STN7006 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 STN7006 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. Additives free. The minimum carbon biobased content of this grade is 95%, determined according to ASTM D6866.

Aplicações:

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

Processos:

Blown Film Extrusion

Control Properties:

Característica	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)

Característica	Method	Units	Values
Tensile Strength at Break (MD/TD)	D 882	MPa	25/20
Elongation at Break (MD/TD)	D 882	%	280/870
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	%	60
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. 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.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.