Braskem I'm green BIO-BASED

Data Sheet
07/12/2020

Low Density Polyethylene STS7006

Description:

STS7006 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 STS7006 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. The minimum carbon biobased content of this grade is 95%, determined according to ASTM D6866.

Aditivação:

Antiblocking, Slip agent.

Aplicações:

Coextruded packaging for food products, such as: cheeses, meats, sausages and sliced products, High transparency films

Processos:

Blown Film Extrusion

Control Properties:

Característica	Método	Unidades	Valores
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.60
Density	D 1505	g/cm³	0.925

Typical Properties - Films:

Blown Film Properties (a)

Característica	Método	Unidades	Valores
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	310/250
Haze	D 1003	%	12
Gloss - Angle 45º	D 2457	%	60
Gloss - Angle 60º	D 2457	%	80

(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.
4. The information provided herein is of the date hereof and Braskem may update, revise or amend the information contained herein at any time and without previous notice. The Client/Purchaser shall consult www.braskem.com to verify any updates to this information.
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