Braskem I'm green BIO-BASED

Data Sheet
29/04/2021

Low Density Polyethylene SBF0323HC

Description:

SBF0323HC is a high molecular weight grade produced under high pressure technology. Films obtained with this product show excellent mechanical and optical properties. Additives free. The minimum carbon biobased content of this grade is 95%, determined according to ASTM D6866.

Aplicações:

Packaging for tubes, Squeeze packaging, HDPE blends with moderate resistance to surfactants

Processos:

Blown Film Extrusion, Extrusion Blow Molding

Control Properties:

Característica	Método	Unidades	Valores
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.32
Density	D 1505	g/cm³	0.923

Typical Properties - Films:

Blown Film Properties (a)

Característica	Método	Unidades	Valores
Tensile Strength at Break (MD/TD)	D 882	MPa	20/20
Elongation at Break (MD/TD)	D 882	%	390/930
Dart Drop Impact	D 1709	g/F50	290
Elmendorf Tear Strength (MD/TD)	D 1922	gF	ND(b)/270
Haze	D 1003	%	10
Gloss - Angle 60º	D 2457	%	92

a) 38 µm Film Gauge, obtained in 75 mm extruder, with 2:1 BUR. die gap 1.0 mm, (MD: Machine direction; TD: Transversal direction). (b) ND: Not Determined.

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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