Braskem I'm green BIO-BASED

Data Sheet
29/04/2021

Low Density Polyethylene SPB681

Description:

SPB681 is a low density polyethylene developed for film extrusion. This resin has outstanding processability, which provides excellent stability to produce thin films. Films produced with this resin have exceptional optical properties. The minimum carbon biobased content for this grade is 95%, determined according to ASTM D6866.

Aplicações:

Blends with LLDPE, Blends with HDPE

Processos:

Cast Film Extrusion., Blown Film Extrusion

Control Properties:

Característica	Método	Unidades	Valores
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	3.8
Density	D 1505	g/cm³	0.922

Typical Properties - Films:

Blown Film Properties (a)

Característica	Método	Unidades	Valores
Tensile Strength at Break (MD/TD)	D 882	MPa	23/14
Elongation at Break (MD/TD)	D 882	%	370/875
Dart Drop Impact	D 1709	g/F50	75
Elmendorf Tear Strength (MD/TD)	D 1922	gF	685/265
Haze	D 1003	%	7
Gloss - Angle 60º	D 2457	%	75

(a) 40 µm thickness film in a 75mm screw diameter extruder with blow up ratio of 2.2:1. (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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