Braskem I'm green BIO-BASED

Datasheet
Jan/2025

High Density Polyethylene SHD0860

Description:

SHD0860 is a high-density polyethylene, developed for injection molding. It presents high stiffness, besides low tendency to warpage. The minimum biobased carbon content of this grade is 94%, determined according to ASTM D6866.

Applications:

Caps

Processes:

Injection molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	8
Density	D 792	g/cm³	0.96

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	ASTM D 638	MPa	28
Elongation at Yield (a)	ASTM D 638	%	7
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1400
Izod Impact Strength (b)	ASTM D 256	J/m	30

[1] Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

Final Remarks

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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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