Braskem I'm green BIO-BASED

Data Sheet
29/04/2021

High Density Polyethylene SHC7260

Description:

SHC7260 is a high-density polyethylene, developed for the injection molding which presents high hardness and stiffness, besides low tendency to warpage. Organoleptic properties are suitable for water caps applications. The minimum biobased carbon content of this grade is 94%, determined according to ASTM D6866.

Aplicações:

Cosmetic packaging, Caps for water, Caps for non-carbonated or low carbonated soft drinks, toys, pallet

Processos:

Injection molding

Control Properties:

Característica	Método	Unidades	Valores
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	7.2
Density	D 792	g/cm³	0.959

Typical Properties - Plaque[1]:

Plaque Properties

Característica	Método	Unidades	Valores
Tensile Strength at Yield (a)	D 638	MPa	29
Elongation at Yield (a)	D 638	%	7.5
Flexural Modulus - 2% Secant (b)	D 2240	MPa	1365
Hardness (c)	D 2240	-	63
Izod Impact Strength (b)	D 256	J/m	35
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	74
Vicat Softening Temperature at 10 N (b)	D 1525	°C	126

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

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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