Braskem

Datasheet
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High Density Polyethylene HD3401S

Description:

HD3401S is a high density polyethylene of molecular structure and additives proper to injection of caps and closures applications. It is appropriated to bottles from 10 ml until 1 liter by IBM Injection Blow Molding and ISBM Injection Stretct Blow Molding - Single Stage Technology. This resin presents an excellent processability and high stiffness.

Additives:

Slip agent.

Applications:

Caps for non-carbonated or low carbonated soft drinks, Caps for lubricant oil, Bottles from 10 ml to 1 liter

Processes:

Compression Molding, Injection molding, Injection blow molding, Injection Stretct Blow Molding (Single Stage)

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	4.5
Density	D 792	g/cm³	0.954

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	27
Tensile Strength at Break (a)	D 638	MPa	26
Flexural Modulus - 2% Secant (b)	D 790	MPa	1150
Hardness (c)	D 2240	-	58
Izod Impact Strength (b)	D 256	J/m	40
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	66
Vicat Softening Temperature at 10 N (b)	D 1525	°C	125

[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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