Braskem

Datasheet
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High Density Polyethylene IG58

Description:

IG58 is a high density polyethylene with a narrow molecular weight distribution, especially developed for multi-cavity and fast cycle injection molding. It offers high melt flow rate, associating good stiffness and impact strength.

Applications:

toys, Thin wall parts, Houseware, Caps

Processes:

Injection molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	50
Density	D 792	g/cm³	0.956

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Break (a)	D 638	MPa	27
Flexural Modulus - 2% Secant (b)	D 2240	MPa	1150
Hardness (c)	D 2240	-	63
Izod Impact Strength (b)	D 256	J/m	25
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	68
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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