Braskem

Datasheet
21/02/2020

High Density Polyethylene GF4950HS

Description:

GF4950HS is a High Density Polyethylene, copolymer, offering an outstanding combination of good processability and excellent stress cracking resistance (ESCR). It is recommended for the production of containers, flasks and bottles up to 30 liters for the transport of chemical products.

Applications:

Small automotive tanks, Packages up to 20 liters for chemicals, domestic and industrial, Agricultural sprayer, Air ducts

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.21
Density	D 792	g/cm³	0.951

Typical Properties:

Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/21,6kg)	ASTM D 1238	g/ 10 min	20
Tensile Strength at Yield (a)	D 638	MPa	25
Tensile Strength at Break (a)	D 638	MPa	35
Flexural Modulus - 1% Secant (b)	D 790	MPa	1100
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m²	110
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	70
FNCT	Braskem	min	300

Typical properties correspond to average values obtained in our laboratories. Test specimens prepared from compression molded sheet made according to ASTM D 4703. Thickness of test piece: a) 2 mm; b) 3 mm.

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.
3. Any application information about the Product does not mean that Braskem knows or has validated the productive process of the Client/Purchaser or the adequacy of the Product for the intended application. All warranties of merchantability or fitness for a particular purpose, express or implied, are expressly excluded.
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