Braskem

Datasheet
21/02/2020

High Density Polyethylene HD7000C

Description:

HD7000C is a high density polyethylene, homopolymer designed for blow-molding segment. HD7000C shows high stiffness properties, good impact resistance, good surface quality and good organoleptic properties.

Applications:

Containers for food products, Toys, Blow molding small volumes, Juice packaging, bottles for ethylic alcohol, Food packaging, Dairy based products packaging

Processes:

Injection blow molding, Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.35
Density	D 792	g/cm³	0.963

Typical Properties:

Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/21,6kg)	ASTM D 1238	g/ 10 min	32
Tensile Strength at Yield (a)	D 638	MPa	30
Tensile Strength at Break (a)	D 638	MPa	30
Flexural Modulus - 1% Secant (b)	D 790	MPa	1600
Tensile Impact Strength ISO at 23 ºC	ISO 8256	kJ/m²	90
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	75

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. The information presented in this Data Sheet reflects typical values obtained in our laboratories, but should not be considered as absolute or as warranted values. Only the properties and values mentioned on the Certificate of Quality are considered as guarantee of the product.
2. For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
3. For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
4. The mentioned values in this report can be changed at any moment without Braskem previous communication.