Braskem

Datasheet
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High Density Polyethylene HS5103

Description:
HS5103 is a high density polyethylene, copolymer, with a high molecular mass indicated for large volume blow molding. Storage drums produced with HS5103 offer excellent impact resistance.

Applications:
Blow molding large volumes, 200 liters storage drums

Processes:
Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/10 min	2.2
Density	ASTM D 792	g/cm³	0.952

Typical Properties:
Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/5kg)	ASTM D 1238	g/ 10 min	0.09
Tensile Strength at Yield (a)	ASTM D 638	MPa	30
Tensile Strength at Break (a)	ASTM D 638	MPa	35
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1200
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m²	250
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	70
FNCT	Braskem	min	> 200

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

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