Braskem Rigeo

Datasheet
01/07/2021

High Density Poliethylene RIGEO 4950HSM

Description:

RIGEO 4950HSM is a high density polyethylene, copolymer, developed for blow molding application with excellent impact strength and stiffness. It exhibits excellent stress cracking resistance being suitable for contact with surfactant substances and chemical products.

Applications:

Packages up to 20 liters for chemicals, domestic and industrial

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	ASTM D 1238	g/10 min	0.31
Density	ASTM D 792	g/cm³	0.953

Typical Properties:

Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/21,6kg)	ASTM D 1238	g/ 10 min	19
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)	D 790	MPa	1200
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

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