Braskem

Datasheet
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High Density Polyethylene HD4507UV

Description:

HD4507UV is a high molar mass, high-density polyethylene, copolymer. It exhibits an elevated parison swelling, excellent wall thickness uniformity, balance between stiffness, impact and environmental stress cracking resistance (ESCR) and extended weathering resistance.

Applications:

IBC (Intermediate Bulk Container), Blow molding large volumes

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/10 min	6.3
Density	ASTM D 792	g/cm³	0.945

Typical Properties:

Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/5kg)	ASTM D 1238	g/ 10 min	0.28
Tensile Strength at Yield (a)	ASTM D 638	MPa	25
Tensile Strength at Break (a)	ASTM D 638	MPa	40
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	950
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m²	190
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	65
FNCT	Braskem	min	> 1000

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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