High Density Polyethylene HS540V1

Description:

HS540V1 is a high molecular weight, high-density polyethylene, copolymer. Exhibit an elevated parison swelling, excellent wall thickness uniformity, an improved balance between stiffness and impact, good environmental stress cracking resistance (ESCR) and extended weathering resistance.

Applications:

Blow molding large volumes, IBC (Intermediate Bulk Container)

Processes:

Extrusion Blow Molding

Control Properties:

Characteristic	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	D 1238	g/10 min	9.0
Density	D 792	g/cm³	0.984

Typical Properties:

Plaque Properties

Characteristic	Method	Units	Values
Melt Flow Rate (190°C/5kg)	ASTM D 1238	g/ 10 min	7.3
Tensile Strength at Yield (a)	ASTM D 638	MPa	27
Tensile Strength at Break (a)	ASTM D 638	MPa	40
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1270
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m²	88
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	105
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.

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