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.

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.