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Datasheet
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High Density Polyethylene HS5502XP

Description:

HS5502XP is a High Density Polyethylene, copolymer, that offers a high stress cracking resistance (ESCR) maintaining a good balance between mechanical properties and processability.

Applications:

Blow molding small volumes

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/21.6kg)	ASTM D 1238	g/10 min	30
Density	D 792	g/cm³	0.955

Typical Properties:

Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/2,16kg)	ASTM D 1238	g/ 10 min	0.35
Tensile Strength at Yield (a)	ASTM D 638	MPa	25
Tensile Strength at Break (a)	ASTM D 638	MPa	25
Flexural Modulus - 1% Secant (b)	ASTM D 790	MPa	1200
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m²	95
Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 10% Igepal CO630 (a)	ASTM D 1693	h/F50	40
Deflection Temperature under Load at 0.455 MPa (b)	ASTM D 648	°C	75

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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