Braskem

Datasheet
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High Density Polyethylene BS002W

Description:

BS002W is a High Density Polyethylene (HDPE), copolymer, that can be used to produce thin walled packages. Offers an outstanding combination of impact resistance and stiffness, excellent stress cracking resistance (ESCR), good reproducibility of the weight of bottles and excellent surface.

Applications:

Cosmetic packaging, Tissue and hygiene packaging

Processes:

Extrusion Blow Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	0.33
Density	D 792	g/cm³	0.959

Typical Properties:

Plaque Properties

Feature	Method	Units	Values
Melt Flow Rate (190°C/21,6kg)	ASTM D 1238	g/ 10 min	24
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)	ASTM D 790	MPa	1400
Tensile Impact Strength ISO at 23 °C	ISO 8256	kJ/m²	100
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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