Braskem

Datasheet
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High Density Polyethylene GE7252XS

Description:

GE7252XS is a bimodal high density polyethylene developed for the manufacturing of caps and closures to carbonated soft drinks. This grade offers a good balance between chemical and mechanical resistance and good processability.

Additives:

slip agent.

Applications:

Caps for carbonated soft drinks

Processes:

Compression Molding, Injection molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.0
Density	D 792	g/cm³	0.952

Typical Properties - Plaque[1]:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	27
Tensile Strength at Break (a)	D 638	MPa	36
Flexural Modulus - 2% Secant (b)	D 2240	MPa	1110
Hardness (c)	D 1693	-	62
Izod Impact Strength (b)	D 256	J/m	65
Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 10% Igepal CO630 (a)	D 1693	h/F50	35
Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 100% Igepal CO630 (a)	D 1693	h/F50	65
Deflection Temperature under Load at 0.455 MPa (b)	D 648	°C	65
Vicat Softening Temperature at 10 N (b)	D 1525	°C	126

[1] Test specimens from compression molded plaque according to ASTM D4703. Plaque Thickness: a) 2mm. b) 3mm c) 6mm. NB = No break.

Final Remarks

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