


Datasheet

17/01/2019

High Density Polyethylene SGE7252XP

Description:

SGE7252XP is a bimodal high density polyethylene specially developed to manufacturing of caps and closures to beverages and soft drinks with low CO₂ content. This grade offers a good balance between chemical and mechanical resistance, good processability and organoleptic properties. The minimum biobased content of this grade is 94%, determined according to ASTM D6866.

Applications:

Caps for carbonated soft drinks

Processes:

Compression Molding

Control Properties:

Feature	Method	Units	Values
Melt Flow Rate (190°C/2.16kg)	D 1238	g/10 min	2.1
Density	D 792	g/cm ³	0.950

Typical Properties - Plaque¹:

Plaque Properties

Feature	Method	Units	Values
Tensile Strength at Yield (a)	D 638	MPa	26
Elongation at Yield (a)	D 638	%	9
Tensile Strength at Break (a)	D 638	MPa	32
Elongation at Break (a)	D 638	%	400
Flexural Modulus - 1% Secant (b)	D 790	MPa	1100
Environmental Stress Cracking Resistance - notch 0,3 mm; 50°C; 10% Igepal CO630 (a)	D 1693	h/F50	15

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

Final Remarks:

- 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.
- For regulatory information of the product, please refer to Regulatory Document or contact our Technical Assistance Area.
- For information about safety, handling, individual protection, first aids and waste disposal, please refer to MSDS.
- The mentioned values in this report can be changed at any moment without Braskem previous communication.