

Braskem PE GE7252XP

High Density Polyethylene

Braskem

Message:

GE7252XP 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.

Applications:
Caps and closures for low or non CO2 content

Additives:
Slip.
Process:
Injection molding.

General Information			
Additive	slip agent		
Features	smoothness		
	Workability, good		
	Good sensory characteristics		
	Good chemical resistance		
	Bimodal molecular weight distribution		
Uses	Shield		
	Shell		
Agency Ratings	FDA 21 CFR 177.1520		
Processing Method	Injection molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.950	g/cm³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.1	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance (50°C, 2.00 mm, 10% Igepal, Compression Molded, F50)	15.0	hr	ASTM D1693
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, molding	26.0	MPa	ASTM D638
Fracture, molding	32.0	MPa	ASTM D638
Tensile Elongation			ASTM D638
Yield, molding	9.0	%	ASTM D638
Fracture, molding	400	%	ASTM D638
Flexural Modulus - 1% Secant (Compression Molded)	1100	MPa	ASTM D790

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Recommended distributors for this material

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