

Braskem PE GE7252

High Density Polyethylene

Braskem

Message:

GE7252 is a bimodal High Density Polyethylene specially developed for the manufacturing of caps and closures that require high stress cracking resistance.

Application:

Caps and closures for low or non CO 2 content

Process:

Injection Molding

General Information	
Features	High Density High ESCR (Stress Crack Resist.)
Uses	Caps Closures
Agency Ratings	FDA 21 CFR 177.1520
Forms	Pellets
Processing Method	Compression Molding Injection Molding

Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.952	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	2.0	g/10 min	ASTM D1238
Environmental Stress-Cracking Resistance ¹ (2.00 mm, 10% Igepal, Compression Molded, F50)	40.0	hr	ASTM D1693B

Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Compression Molded	26.0	MPa	
Break, Compression Molded	14.0	MPa	
Tensile Elongation			ASTM D638
Yield, Compression Molded	9.0	%	
Break, Compression Molded	400	%	
Flexural Modulus (Compression Molded)	1200	MPa	ASTM D790

NOTE	
1.	0.3mm notched-plaques

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