

Braskem PE G-803

Low Density Polyethylene

Braskem

Message:

G803 is a low density polyethylene that does not contain additives. It shows a good dimensional stability and high fluidity being indicated for low viscosity required applications.

Application:
Masterbatches; Lids, closures, and general purpose injection molding parts.

General Information			
Features	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Processability		
	High Flow		
	Low Viscosity		
Uses	Closures		
	General Purpose		
	Lids		
	Masterbatch		
Agency Ratings	FDA 21 CFR 177.1520		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Specific Gravity	0.918	g/cm ³	ASTM D792
Melt Mass-Flow Rate (MFR) (190°C/2.16 kg)	30	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Durometer Hardness (Shore D, Compression Molded)	40		ASTM D2240
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength			ASTM D638
Yield, Compression Molded	9.00	MPa	
Break, Compression Molded	6.00	MPa	
Tensile Elongation (Break, Compression Molded)	150	%	ASTM D638
Apparent Bending Modulus	320	MPa	ASTM D747
Flexural Modulus - 1% Secant (Compression Molded)	200	MPa	ASTM D790
Thermal	Nominal Value	Unit	Test Method
Brittleness Temperature	-70.0	°C	ASTM D746

Vicat Softening Temperature	85.0	°C	ASTM D1525 ¹
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NOTE

1.	Loading 1 (10 N)
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