

Braskem G803 LDPE Injection Molding Polyethylene

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE , Low Density Polyethylene (LDPE), Molded

Material Notes:

G803 is a low-density polyethylene with excellent processability, high fluidity, and dimensional stability. It does not contain additives. Its applications include: lids, closures, and general purpose injection molding parts.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-G803-LDPE-Injection-Molding-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM-D792
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 190 °C	30 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM-D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	40	40	ASTM-D2240
Tensile Strength at Break	6.00 MPa	870 psi	ASTM-D638
Tensile Strength, Yield	9.00 MPa	1310 psi	ASTM-D638
Elongation at Break	150 %	150 %	ASTM-D638
Modulus of Rigidity	0.320 GPa	46.4 ksi	ASTM-D747
Flexural Modulus, 1% Secant	200 MPa	29000 psi	ASTM-D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	85.0 °C @Load 1.02 kg	185 °F @Load 2.25 lb	ASTM-D1525
Brittleness Temperature	-70.0 °C	-94.0 °F	ASTM-D746

Descriptive Properties	Value	Comments
Temperature Profile (°C)	130-170	Injection Molding

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