

## Braskem PB 608 LDPE Injection Molding Polyethylene

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

**Material Notes:**

Description: PB608 is a grade produced under high pressure in an autoclave reactor. This grade is especially designed for injection molding of articles that must show excellent flexibility properties and very good flow ability. Applications: Covers and parts with large flat area; injection molding. Information provided by Braskem

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Braskem-PB-608-LDPE-Injection-Molding-Polyethylene.php](http://www.lookpolymers.com/polymer_Braskem-PB-608-LDPE-Injection-Molding-Polyethylene.php)

Physical Properties	Metric	English	Comments
Density	0.915 g/cc	0.0331 lb/in <sup>3</sup>	ASTM D1505
ESCR 100% Igepal®	15 hour @Thickness 3.00 mm, Temperature 23.0 °C	15 hour @Thickness 0.118 in, Temperature 73.4 °F	compression molded plaques; ASTM D1693
Melt Flow	30 g/10 min @Load 2.16 kg, Temperature 230 °C	30 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	39	39	ASTM D2240
Tensile Strength at Break	8.00 MPa	1160 psi	ASTM D638
Tensile Strength, Yield	8.00 MPa	1160 psi	ASTM D638
Elongation at Break	390 %	390 %	ASTM D638
Flexural Modulus, 1% Secant	450 MPa	65300 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	79.0 °C	174 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	180 - 210 °C	356 - 410 °F	Temperature profile
Mold Temperature	5.00 - 25.0 °C	41.0 - 77.0 °F	

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