

Braskem PB 208 LDPE Injection Molding Polyethylene

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

Material Notes:

Description: PB208 is a low density polyethylene with no additives. This grade shows excellent processability being indicated for low viscosity required applications. Injection molded products with this resin shows good flow and flexibility properties. 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-208-LDPE-Injection-Molding-Polyethylene.php

Physical Properties	Metric	English	Comments
Density	0.923 g/cc	0.0333 lb/in ³	ASTM D1505
ESCR 100% Igepal®	6.0 hour @Thickness 3.00 mm, Temperature 23.0 °C	6.0 hour @Thickness 0.118 in, Temperature 73.4 °F	compression molded plaques; ASTM D1693
Melt Flow	22 g/10 min @Load 2.16 kg, Temperature 230 °C	22 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	42	42	ASTM D2240
Tensile Strength at Break	6.00 MPa	870 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	139 %	139 %	ASTM D638
Flexural Modulus, 1% Secant	700 MPa	102000 psi	ASTM D790

Thermal Properties	Metric	English	Comments
Vicat Softening Point	87.0 °C	189 °F	ASTM D1525

Processing Properties	Metric	English	Comments
Processing Temperature	160 - 230 °C	320 - 446 °F	Temperature profile
Mold Temperature	5.00 - 25.0 °C	41.0 - 77.0 °F	

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