

Braskem BI 818 LDPE Injection Molding Polyethylene (discontinued **)

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

Material Notes:

Applications: Injection molding; masterbatches. Information provided by Braskem

Order this product through the following link:

http://www.lookpolymers.com/polymer_Braskem-BI-818-LDPE-Injection-Molding-Polyethylene-nbspdiscontinued-.php

Physical Properties	Metric	English	Comments
Density	0.918 g/cc	0.0332 lb/in ³	ASTM D1505
ESCR 100% Igepal®	1.0 hour @Thickness 3.00 mm, Temperature 23.0 °C	1.0 hour @Thickness 0.118 in, Temperature 73.4 °F	compression molded plaques; ASTM D1693
Melt Flow	7.5 g/10 min @Load 2.16 kg, Temperature 230 °C	7.5 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore A	95	95	ASTM D2240
Hardness, Shore D	45	45	ASTM D2240
Tensile Strength at Break	10.0 MPa	1450 psi	ASTM D638
Tensile Strength, Yield	10.0 MPa	1450 psi	ASTM D638
Elongation at Break	615 %	615 %	ASTM D638
Secant Modulus	0.149 GPa	21.6 ksi	0.01; ASTM D638

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

Optical Properties	Metric	English	Comments
Gloss	8.5 %	8.5 %	60° angle; ASTM D2457

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