

Bapolene® 1052 Polyethylene, Injection Grade

Category : Polymer , Thermoplastic , Polyethylene (PE) , LDPE

Material Notes:

A medium flow general purpose injection molding resin with good gloss, toughness and good chemical resistance. This product meets FDA standards for food contact applications. Applications: Caps and closures, toys, novelties, color concentrates, and housewares. Bapolene® and Bapolan® are registered trademarks of Bamberger Polymers, Inc. Information provided by Bamberger Polymers

Order this product through the following link:

http://www.lookpolymers.com/polymer_Bapolene-1052-Polyethylene-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	8.0 g/10 min @Load 2.16 kg, Temperature 190 °C	8.0 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	50	50	ASTM D-2240
Tensile Strength, Yield	10.3 MPa	1490 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	350 %	350 %	2 in/min (50 mm/min); ASTM D638
Modulus of Elasticity	0.221 GPa	32.1 ksi	ASTM D-638
Flexural Modulus	0.210 GPa	30.5 ksi	Tangent Method 1; ASTM D-790
Izod Impact, Notched	NB	NB	ASTM D256

Thermal Properties	Metric	English	Comments
Vicat Softening Point	99.0 °C	210 °F	ASTM D1525
Brittleness Temperature	<= -70.0 °C	<= -94.0 °F	ASTM D-746

Descriptive Properties	Value	Comments
Process	Injection Molding	
Region	Europe/Turkey	Bamberger Polymers Distribution
	International	Bamberger Polymers Distribution
	Mexico	Bamberger Polymers Distribution
	US & Canada	Bamberger Polymers Distribution

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