

Bapolene® 1072 Polyethylene, Injection Grade

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

Material Notes:

A high flow general purpose injection molding resin with good gloss, toughness and stress crack resistance. This product meets FDA standards for food contact applications. Applications: Housewares, color concentrates, toys, sporting goods, ice-cube trays. 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-1072-Polyethylene-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	0.920 g/cc	0.0332 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min	20 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 190 °C	@Load 4.76 lb, Temperature 374 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	51	51	ASTM D-2240
Tensile Strength, Yield	11.7 MPa	1700 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	400 %	400 %	2 in/min (50 mm/min); ASTM D638
Modulus of Elasticity	0.213 GPa	30.9 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	101 °C	214 °F	ASTM D1525
Brittleness Temperature	<= -76.0 °C	<= -105 °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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