

Bapolene® 3272 Polyethylene, Injection Grade

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

Material Notes:

Narrow molecular weight distribution injection molding resin. This high flow resin allows fast injection cycles and provides good impact strength, rigidity, and warpage resistance. This product meets FDA standards for food contact applications. Applications: Thin-walled containers, housewares, and toys. 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-3272-Polyethylene-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	0.954 g/cc	0.0345 lb/in ³	ASTM D1505
Melt Flow	20 g/10 min @Load 2.16 kg, Temperature 190 °C	20 g/10 min @Load 4.76 lb, Temperature 374 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.8 MPa	3600 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	350 %	350 %	2 in/min (50 mm/min); ASTM D638
Flexural Modulus	1.31 GPa	190 ksi	Tangent Method 1; ASTM D-790
Izod Impact, Notched	0.430 J/cm	0.806 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	80.0 °C	176 °F	ASTM D648
Vicat Softening Point	123 °C	253 °F	ASTM D1525

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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