

Bapolene® PP5063 Polypropylene, Injection Grade

Category : Polymer , Thermoplastic , Polypropylene (PP) , Polypropylene Copolymer

Material Notes:

Bapolene PP5063 is a high clarity Natural PP Random Copolymer for injection molding. This resin exhibits excellent clarity and low temperature impact properties. This product meets FDA standards for food contact applications. Applications: Housewares, food containers. 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-PP5063-Polypropylene-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	12 g/10 min	12 g/10 min	ASTM D1238
	@Load 2.16 kg, Temperature 230 °C	@Load 4.76 lb, Temperature 446 °F	

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	80	80	ASTM D-2240
Tensile Strength, Ultimate	27.6 MPa	4000 psi	2 in/min (50 mm/min); ASTM D638
Tensile Strength, Yield	29.0 MPa	4210 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	550 %	550 %	2 in/min (50 mm/min); ASTM D638
Elongation at Yield	12 %	12 %	2 in/min (20 mm/min); ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	Secant @ 1% strain; ASTM D-790
Izod Impact, Notched	0.590 J/cm	1.11 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	90.0 °C	194 °F	ASTM D648

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

Descriptive Properties	Value	Comments
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