

## Bapolene® PP5082 Polypropylene, Injection Grade

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

### Material Notes:

Bapolene PP 5082 is a multipurpose, high flow impact copolymer with excellent color and processability. This resin also exhibits a superior balance of stiffness and impact strength. This product meets the FDA requirements of 21CFR 177.1520. Applications: Containers, housewares, appliances, 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-PP5082-Polypropylene-Injection-Grade.php](http://www.lookpolymers.com/polymer_Bapolene-PP5082-Polypropylene-Injection-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.903 g/cc	0.0326 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	35 g/10 min @Load 2.16 kg, Temperature 230 °C	35 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Rockwell R	95	95	ASTM D785
Tensile Strength, Yield	26.9 MPa	3900 psi	50 mm/min (2 in./min.); ASTM D638
Elongation at Yield	5.0 %	5.0 %	50 mm/min (2 in./min.); ASTM D638
Flexural Modulus	1.24 GPa	180 ksi	Secant @ 1% strain; ASTM D790
Izod Impact, Notched	1.07 J/cm	2.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	99.0 °C	210 °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

## **Contact Songhan Plastic Technology Co.,Ltd.**

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