

## Bapolene® PP5021 Polypropylene, Blow Molding Grade

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

### Material Notes:

Bapolene PP5021 is a PP Random Copolymer designed for blow molding and extrusion applications. This resin exhibits excellent clarity, impact strength, stiffness and processability. This product meets FDA standards for food contact applications. Applications: Bottle blow molding, profile extrusion. 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-PP5021-Polypropylene-Blow-Molding-Grade.php](http://www.lookpolymers.com/polymer_Bapolene-PP5021-Polypropylene-Blow-Molding-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	1.8 g/10 min @Load 2.16 kg, Temperature 230 °C	1.8 g/10 min @Load 4.76 lb, Temperature 446 °F	ASTM D1238

Mechanical Properties	Metric	English	Comments
Hardness, Shore D	67	67	ASTM D-2240
Tensile Strength, Ultimate	22.1 MPa	3210 psi	2 in/min (50 mm/min); ASTM D638
Tensile Strength, Yield	27.6 MPa	4000 psi	2 in/min (50 mm/min); ASTM D638
Elongation at Break	520 %	520 %	2 in/min (50 mm/min); ASTM D638
Elongation at Yield	14 %	14 %	2 in/min (20 mm/min); ASTM D638
Flexural Modulus	1.03 GPa	149 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)	87.0 °C	189 °F	ASTM D648

Descriptive Properties	Value	Comments
Process	Blow Molding	
Region	Europe/Turkey	Bamberger Polymers Distribution
	International	Bamberger Polymers Distribution
	Mexico	Bamberger Polymers Distribution

[Descriptive Properties](#)

[Value](#) [Canada](#)

[Comments](#) [Polymers Distribution](#)

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