

Bapolene® PP5083 Polypropylene, Injection Grade

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

Material Notes:

Bapolene PP 5083 is a clarified PP Random Copolymer for injection molding. This resin exhibits good processing and impact properties. This product meets FDA regulation 21CFR 177.1520 and is suitable for food packaging applications. Applications: Housewares, cassette cases, 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-PP5083-Polypropylene-Injection-Grade.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	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	78	78	ASTM D785
Tensile Strength, Ultimate	24.1 MPa	3500 psi	50 mm/min (2 in./min.); ASTM D638
Tensile Strength, Yield	26.2 MPa	3800 psi	50 mm/min (2 in./min.); ASTM D638
Elongation at Break	550 %	550 %	50 mm/min (2 in./min.); ASTM D638
Elongation at Yield	11 %	11 %	50 mm/min (2 in./min.); ASTM D638
Flexural Modulus	1.17 GPa	170 ksi	Secant @ 1% strain; ASTM D790
Izod Impact, Notched	0.534 J/cm	1.00 ft-lb/in	ASTM D256

Thermal Properties	Metric	English	Comments
Deflection Temperature at 0.46 MPa (66 psi)	88.0 °C	190 °F	ASTM D648

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

Descriptive Properties

Value ^{USA} Canada

Comments ^{USA} Polymers Distribution

Contact Songhan Plastic Technology Co.,Ltd.

Website : www.lookpolymers.com

Email : sales@lookpolymers.com

Tel : +86 021-51131842

Mobile : +86 13061808058

Skype : lookpolymers

Address : United North Road 215,Fengxian District, Shanghai City,China