

Bapolene® PP5072 Polypropylene, Injection Grade

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

Material Notes:

Bapolene PP 5072 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-PP5072-Polypropylene-Injection-Grade.php

| Physical Properties | Metric | English | Comments |
|---------------------|---|---|------------|
| Density | 0.904 g/cc | 0.0327 lb/in ³ | ASTM D1505 |
| Melt Flow | 20 g/10 min @Load 2.16 kg, Temperature 230 °C | 20 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 |

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