

## Pinnacle Polymers 1220 Polypropylene Homopolymer, Injection Molding Grade

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

**Material Notes:**

This Pinnacle Polymers Polypropylene is made via UNIPOL™ PP technology, which utilizes gas-phase fluidized bed reactors with a high activity catalyst system to ensure uniform physical properties and lot-to-lot consistency. Features: Excellent processing stability Good flow characteristics Good heat aging resistance Hydrolytically stable Good stiffness Applications: Appliance components Automotive applications Thin-walled packaging Certifications: Pinnacle's polypropylene, as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form complies with appropriate requirements of CFR Title 21, Part 177, Subpart B, Section 177.1520 (c) 1.1a entitled "Olefin Polymers" of the Food Additives Amendment of 1958 to the United States Food, Drug and Cosmetic Act of 1938. Specific limitations or conditions of use apply. Information provided by Pinnacle Polymers.

Order this product through the following link:

[http://www.lookpolymers.com/polymer\\_Pinnacle-Polymers-1220-Polypropylene-Homopolymer-Injection-Molding-Grade.php](http://www.lookpolymers.com/polymer_Pinnacle-Polymers-1220-Polypropylene-Homopolymer-Injection-Molding-Grade.php)

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in <sup>3</sup>	ASTM D1505
Melt Flow	20 g/10 min	20 g/10 min	Condition L 230/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	34.5 MPa @Thickness 3.20 mm	5000 psi @Thickness 0.126 in	At 51mm/min, injection molded ASTM Type 1 specimen; ASTM D638
Elongation at Yield	9.0 % @Thickness 3.20 mm	9.0 % @Thickness 0.126 in	At 51mm/min, injection molded ASTM Type 1 specimen; ASTM D638
Flexural Modulus	1.65 GPa @Thickness 3.20 mm	240 ksi @Thickness 0.126 in	At 1.27 mm/min, 1% secant, injection molded ASTM Type 1 specimen; ASTM D790A
Izod Impact, Notched	0.320 J/cm @Thickness 3.20 mm, Temperature 22.8 °C	0.600 ft-lb/in @Thickness 0.126 in, Temperature 73.0 °F	injection molded ASTM Type 1 specimen; ASTM D256

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