

Pinnacle Polymers 3208 High Impact Polypropylene Copolymer, Injection Molding Grade

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

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: Wet/Dry environment resistance Superior balance of stiffness and impact strength Excellent long term heat aging properties Excellent color and processing stability Enhanced weld-line strength Applications: Injection molded automotive and consumer product applications 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-3208-High-Impact-Polypropylene-Copolymer-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in ³	ASTM D1505
Melt Flow	8.0 g/10 min	8.0 g/10 min	Condition L 230/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	24.1 MPa @Thickness 3.20 mm	3500 psi @Thickness 0.126 in	At 51mm/min, injection molded ASTM Type 1 specimen; ASTM D638
Elongation at Yield	10 % @Thickness 3.20 mm	10 % @Thickness 0.126 in	At 51mm/min, injection molded ASTM Type 1 specimen; ASTM D638
Flexural Modulus	1.10 GPa @Thickness 3.20 mm	160 ksi @Thickness 0.126 in	At 1.27 mm/min, 1% secant, injection molded ASTM Type 1 specimen; ASTM D790A
Izod Impact, Notched	1.07 J/cm @Thickness 3.20 mm, Temperature 22.8 °C	2.00 ft-lb/in @Thickness 0.126 in, Temperature 73.0 °F	injection molded ASTM Type 1 specimen; ASTM D256
Gardner Impact	22.6 J @Temperature -30.0 °C	16.7 ft-lb @Temperature -22.0 °F	Method G, geometry GC; ASTM D5420

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