

Pinnacle Polymers 5135 C Clarified Polypropylene Random 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: Excellent see-through clarity Superior color and processing stability Low odor Excellent lot-to-lot consistency High melt flow Excellent processability Applications: Injection molding applications that require fast cycle time, enhanced processability, and lot-to-lot consistency 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. Information provided by Pinnacle Polymers.

Order this product through the following link:

http://www.lookpolymers.com/polymer_Pinnacle-Polymers-5135-C-Clarified-Polypropylene-Random-Copolymer-Injection-Molding-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	35 g/10 min	Condition L 230/2.16; ASTM D1238

Mechanical Properties	Metric	English	Comments
Tensile Strength, Yield	31.7 MPa @Thickness 3.20 mm	4600 psi @Thickness 0.126 in	At 51mm/min, thick injection molded ASTM Type 1 specimen; ASTM D638
Elongation at Yield	12 % @Thickness 3.20 mm	12 % @Thickness 0.126 in	At 51mm/min, thick injection molded ASTM Type 1 specimen; ASTM D638
Flexural Modulus	1.31 GPa @Thickness 3.20 mm	190 ksi @Thickness 0.126 in	At 1.27 mm/min, 1% secant, injection molded ASTM Type 1 specimen; ASTM D790A
Izod Impact, Notched	0.427 J/cm @Thickness 3.20 mm, Temperature 22.8 °C	0.800 ft-lb/in @Thickness 0.126 in, Temperature 73.0 °F	injection molded ASTM Type 1 specimen; ASTM D256

Optical Properties	Metric	English	Comments
Haze	9.0 % @Thickness 1.27 mm	9.0 % @Thickness 0.0500 in	plaque

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