Pinnacle Polymers 2135 H Medium 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: High stiffness and good impact strengthHigh melt flowExcellent mold releaseSuperior processabilityExcellent lot-to-lot consistencyApplications: PackagingHousewaresConsumer productsCertifications: 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-2135-H-Medium-Impact-Polypropylene-Copolymer-Injection-Molding-Grade.php

Physical Properties	Metric	English	Comments
Density	0.900 g/cc	0.0325 lb/in³	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	23.4 MPa @Thickness 3.20 mm	3400 psi @Thickness 0.126 in	At 51mm/min, injection molded ASTM Type 1 specimen; ASTM D638
Elongation at Yield	6.0 % @Thickness 3.20 mm	6.0 % @Thickness 0.126 in	At 51mm/min, injection molded ASTM Type 1 specimen; ASTM D638
Flexural Modulus	1.17 GPa @Thickness 3.20 mm	170 ksi @Thickness 0.126 in	At 1.27 mm/min, 1% secant, injection molded ASTM Type 1 specimen; ASTM D790A
Izod Impact, Notched	0.961 J/cm @Thickness 3.20 mm, Temperature 22.8 °C	1.80 ft-lb/in @Thickness 0.126 in, Temperature 73.0 °F	injection molded ASTM Type 1 specimen; ASTM D256
Gardner Impact	18.1 J @Temperature -30.0 °C	13.3 ft-lb @Temperature -22.0 °F	Method G, geometry GC; ASTM D5420

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