# Pinnacle PP 7135G

Polypropylene Random Copolymer

Pinnacle Polymers

## Message:

35 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING WITH RADIATION RESISTANCE
Pinnacle Polymers Polypropylene 7135G 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.
7135G is specially formulated to resist degradation when exposed to high energy radiation. This product is intended for injection molding applications that require fast cycle time, enhanced processability and excellent clarity.
This product is not formulated to contain any fluorescing agents.
The 7135G product provides:
Radiation sterilizable
Improved processability
Excellent lot-to-lot consistency
Excellent impact resistance
Low extractables
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) 3.1a entitled "Olefin Polymers" of the Food Additives Amendment of 1958 to the United States Food, Drug and Cosmetic Act of 1938.

| General Information | | | |
|---|---|---|---|
| Additive | Clarifier | | |
| Features | Fast Molding Cycle<br>Food Contact Acceptable<br>Good Processability<br>High Clarity<br>High Impact Resistance<br>Low Extractables<br>Radiation (Gamma) Resistant<br>Radiation Sterilizable<br>Random Copolymer | | |
| Agency Ratings | FDA 21 CFR 177.1520(c) 3.1a | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| **Physical** | **Nominal Value** | **Unit** | **Test Method** |
| Density | 0.900 | g/cm³ | ASTM D1505 |
| Melt Mass-Flow Rate (MFR) (230°C/2.16 kg) | 35 | g/10 min | ASTM D1238 |
| **Mechanical** | **Nominal Value** | **Unit** | **Test Method** |
| Tensile Strength [1] (Yield, 3.20 mm, Injection Molded) | 27.6 | MPa | ASTM D638 |
| Tensile Elongation [2] (Yield, 3.20 mm, Injection Molded) | 12 | % | ASTM D638 |
| Flexural Modulus - 1% Secant [3] (3.20 mm, Injection Molded) | 1030 | MPa | ASTM D790A |

| Impact | Nominal Value | Unit | Test Method |
|---|---|---|---|
| Notched Izod Impact [4] (23°C, 3.20 mm, Injection Molded) | 69 | J/m | ASTM D256 |
| **Thermal** | **Nominal Value** | **Unit** | **Test Method** |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 73.0 | °C | ASTM D648 |
| **Optical** | **Nominal Value** | **Unit** | |
| Haze (1270 µm) | 9.0 | % | |
| **NOTE** | | | |
| 1. | Type I, 51 mm/min | | |
| 2. | Type I, 51 mm/min | | |
| 3. | Type I, 1.3 mm/min | | |
| 4. | Type I | | |



## Recommended distributors for this material

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