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5135C

35 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 5135C 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.

This product is intended for injection molding applications that require fast cycle time, enhanced processability and excellent clarity.

Features:

The 5135C product provides:

- Excellent see-through clarity
- Superior color and processing stability
- Low odor
- Excellent lot-to-lot consistency
- High melt flow, excellent processability

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.

Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	35 g/10 min.	35 g/10 min.	D1238 ¹
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Tensile yield strength, at 51 mm/min	4200 psi	29 MPa	D638 ²
Yield elongation, at 51 mm/min	11%	11%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	170,000 psi	1173 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	0.7 ft-lb/in	37 J/m	D256 ²
Heat Deflection Temperature	99° C	99° C	D648 ²
Haze (1.27 mm plaque)	9%	9%	

¹Condition L 230/2.16

²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)

³Method G, Geometry GC

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