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5135K

35 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 5135K 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 5135K product provides:

- Excellent see-through clarity
- Superior color and processing stability
- Low odor
- High melt flow, excellent processability
- Enhanced mold-release properties with good label adhesion

Pinnacle's polypropylene, as marketed by Pinnacle Polymers, 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	3700 psi	25.5 MPa	D638[2]
Yield elongation, at 51 mm/min	12%	12%	D638[2]
Flexural modulus (1% secant) at 1.27 mm/min	137,000 psi	945 MPa	D790A[2]
Notched Izod impact strength, at 73°F/23°C	1.1 ft-lb/in	59 J/m	D256[2]
Haze (1.27 mm plaque)	8%	8%	

[1]Condition L 230/2.16
[2]ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)
[3]Method G, Geometry GC
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