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5155C

DEVELOPMENTAL DATA**

55 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 5155C 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 5155C product provides:

- Excellent see-through clarity
- Superior color and processing stability
- Low odor
- High melt flow; excellent processability

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 Cosmetics Act of 1938.

Typical Properties**

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	55 g/10 min.	55 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	4550 psi	31.3 MPa	D638 ²
Yield elongation, at 51 mm/min	11%	11%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	190,000 psi	1310 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	0.6 ft-lb/in	32 J/m	D256 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)

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**A statistically valid sample size does not exist to determine the average physical properties. These data may change as additional results become available.