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5112C

12 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 5112C 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 high stiffness and excellent clarity.

Features:

The 5112C product provides:

- Superior color and processing stability
- Low odor
- Good flow and set-up behavior
- Excellent see-through clarity
- Good impact

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	12 g/10 min.	12 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	4600 psi	31.7 MPa	D638 ²
Yield elongation, at 51 mm/min	12%	12%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	165,000 psi	1139 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%	

¹Condition L 230/2.16

²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)
 UNIPOL is a trademark of Union Carbide Corporation