



P. O. Drawer E
 Garyville, LA 70051
 Tel: (985) 535-2000
 Fax: (985) 535-1234

5135C3

35 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 5135C3 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, improved color, enhanced processability and excellent clarity.

Features:

The 5135C3 product provides:

- Reduced cycle-time
- Improved color
- Improved processability
- Excellent lot-to-lot consistency
- Excellent impact resistance

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
Shrinkage	0.015 in/in	0.015 mm/mm	D955
Heat Deflection Temperature at 0.455 MPa (66psi)	160°F	71°C	D648
Tensile yield strength, at 51 mm/min	3800 psi	26.2 MPa	D638 ²
Yield elongation, at 51 mm/min	12%	12%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	140,000 psi	962 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	1.3 ft-lb/in	69 J/m 6.8 kJ/m ²	D256 ²
% Yellowness Index	Less than -10	Less than -10	
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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