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## 5135I3

### 35 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

#### Product Description and Applications:

Pinnacle Polymers Polypropylene 5135I3 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. This product also has improved impact resistance and enhanced mold-release.

#### Features:

The 5135I3 product provides:

- New generation clarifier
- Improved color
- Excellent impact resistance
- High melt flow, excellent processability
- Enhanced mold-release properties

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	32.2-37.8 g/10 min.	32.2-37.8 g/10 min.	D1238 <sup>1</sup>
Density at 23°C	0.9 g/cm <sup>3</sup>	900 kg/m <sup>3</sup>	D1505
Tensile yield strength, at 51 mm/min	≥3500 psi	≥24.2 MPa	D638 <sup>2</sup>
Yield elongation, at 51 mm/min	12%	12%	D638 <sup>2</sup>
Flexural modulus (1% secant) at 1.27 mm/min	≥130,000 psi	≥897 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	≥1.0 ft-lb/in	≥53 J/m ≥5.2 kJ/m <sup>2</sup>	D256 <sup>2</sup>
% Yellowness Index	≤-10	≤-10	
Haze (1.27 mm plaque)	9%	9%	

<sup>1</sup>Condition L 230/2.16

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

<sup>3</sup>Method G, Geometry GC

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