

## 5112C3

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

#### Product Description and Applications:

Pinnacle Polymers Polypropylene 5112C3 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 low melt flow, fast cycle time, enhanced processability and excellent clarity. This product also has improved impact resistance and a new generation clarifier.

#### Features:

The 5112C3 product provides:

- Excellent clarity
- Antistat
- Improved color
- Excellent impact resistance
- Low melt flow, excellent processability

#### Typical Properties

Property	Units	Test Method
Melt Flow Rate	12 g/10 min.	ATSM D1238
Density at 23°C	0.9 g/cm <sup>3</sup>	ISO 1183-1
Heat Deflection Temperature at 0.455 MPa (66psi)	74°C	ATSM D648
Heat Deflection Temperature at 0.455 MPa (66psi)	66°C	ISO 75-1
Tensile Yield Strength, at 50 mm/min	25.2 MPa	ISO 527
Tensile Strain at Yield	13%	ISO 527
Flexural Modulus	959 MPa	ISO 178
Notched Izod impact strength, at 23°C	15 kJ/m <sup>2</sup>	ATSM D256
Charpy impact strength, at 23°C	7.2 kJ/m <sup>2</sup>	ISO 179-1
Vicat	124 °C	ISO 306
% Yellowness Index	Less than -5	
Haze (1.27 mm plaque)	9%	

FDA, EU 10/2011/EC, and SDS documents are available on our website at: <https://pinnaclepolymers.com/documents-datasheets/regulatory-documents>

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