

# 6155C3

## 55 MELT FLOW CLARIFIED RANDOM COPOLYMER FOR INJECTION MOLDING

### Product Description and Applications:

Pinnacle Polymers Polypropylene 6155C3 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 melt flow, more stiffness, faster cycle time, low bloom, enhanced processability and excellent clarity. This product contains a new generation clarifier.

### Features:

The 6155C3 product provides:

- Improved FDA food contact status
- Low bloom
- Reduced cycle-time
- Improved color
- Increased stiffness
- High melt flow, excellent processability

Pinnacle 6155C3 as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form is cleared by way of FCN 1538 for use in single- and repeated-use articles intended to contact all types of food under the Food and Drug Administration's (FDA) Conditions of Use A through H. FDA has not evaluated the use of this product in contact with infant formula or breast milk.

### Typical Properties\*

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	55 g/10 min.	55 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
Shrinkage	0.015 in/in	0.015 mm/mm	D955
Heat Deflection Temperature at 0.455 MPa (66psi)	172°F	78°C	D648
Tensile yield strength, at 51 mm/min	4200 psi	29 MPa	D638 <sup>2</sup>
Yield elongation, at 51 mm/min	14%	14%	D638 <sup>2</sup>
Flexural modulus (1% secant) at 1.27 mm/min	165,000 psi	1138 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	1.0 ft-lb/in	53 J/m	D256 <sup>2</sup>
% Yellowness Index	Less than -10	Less than -10	
Haze (1.27 mm plaque)	9%	9%	

\*Developmental Data taken from a limited database

<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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