



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

## *1155C3 developmental*

### 55 MELT FLOW CLARIFIED HOMOPOLYMER FOR INJECTION MOLDING APPLICATIONS

#### Product Description and Applications:

Pinnacle Polymers Polypropylene 1155C3 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 requiring good see-through clarity. Contains new technology clarifier for superior clarity.

#### Features:

The 1155C3 product provides:

- Superior clarity
- Good melt strength and stretchability
- Superior color and processing stability
- Excellent cleanliness

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) 1.1a 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	55g/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
Tensile yield strength, at 51 mm/min	5900 psi	41 MPa	D638 <sup>2</sup>
Flexural modulus (1% secant) at 1.27 mm/min	300,000 psi	2100 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	0.40 ft-lb/in	20J/m	D256 <sup>2</sup>
Haze (1.27 MM Molded Plaque)	15%	15%	

<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)

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