



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

## 5155C3

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

#### Product Description and Applications:

Pinnacle Polymers Polypropylene 5155C3 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, fast cycle time, enhanced processability and excellent clarity. This product also has improved impact resistance and a new generation clarifier.

#### Features:

The 5155C3 product provides:

- New generation clarifier
- Improved color
- Excellent impact resistance
- High melt flow, excellent processability

### 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
Tensile yield strength, at 51 mm/min	3800 psi	26 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	149,000 psi	1028 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	0.9 ft-lb/in	48 J/m	D256 <sup>2</sup>
% Yellowness Index	Less than -5	Less than -5	
Haze (1.27 mm plaque)	8%	8%	

<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

UNIPOL is a trademark of Union Carbide Corporation