



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

## 5155C

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

#### Product Description and Applications:

Pinnacle Polymers Polypropylene 5155C 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.

#### Features:

The 5155C product provides:

- Excellent see-through clarity
- Low odor
- Excellent lot-to-lot consistency
- Extra 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	4100 psi	28.3 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	165,000 psi	1139 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	0.7 ft-lb/in	37 J/m	D256 <sup>2</sup>
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

UNIPOL is a trademark of Union Carbide Corporation