



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

## 5120

### 20 MELT FLOW RANDOM COPOLYMER FOR INJECTION MOLDING

#### Product Description and Applications:

Pinnacle Polymers Polypropylene 5120 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 caps, closures, and general purpose injection molding applications. This product contains a mold release package.

#### Features:

The 5120 product provides:

- Superior color and processing stability
- Low odor
- Good flow and set-up behavior
- Excellent mold-release properties
- Excellent lot-to-lot consistency

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) 3.1a 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	20 g/10 min.	20 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	4000 psi	27.6 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	140,000 psi	966 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>

<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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