

## 5120H

### 20 MELT FLOW RANDOM COPOLYMER FOR INJECTION MOLDING

#### Product Description and Applications:

Pinnacle Polymers Polypropylene 5120H 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 nucleation and antistatic additive package.

#### Features:

The 5120H product provides:

- Improved FDA food contact status
- Superior color and processing stability
- Low odor
- Good flow and set-up behavior
- Antistatic properties
- Excellent lot-to-lot consistency

Pinnacle 5120H 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	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	3700 psi	25.5 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	137,000 psi	945 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	1.0 ft-lb/in	53 J/m 5.2 kJ/m <sup>2</sup>	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)  
 UNIPOL is a trademark of Union Carbide Corporation