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## 1120 H

### 21 MELT FLOW HOMOPOLYMER POLYPROPYLENE WITH NUCLEATION AND ANTISTAT FOR INJECTION MOLDING

#### Product Description and Applications:

Pinnacle Polymers Polypropylene 1120 H 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 general-purpose injection molding of cutlery, closures and thin wall containers. 1120 H contains both a nucleation and antistatic additive package.

#### Features:

The 1120 H product provides:

- Superior color and processing stability
- Good flow characteristics
- Low odor and taste
- Antistatic properties
- UL Listed

Pinnacle's polypropylene, as marketed by Pinnacle Polymers, 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                              | 21 g/10 min.          | 21 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        | 5700 psi              | 39.3 MPa              | D638 <sup>2</sup>  |
| Yield elongation, at 51 mm/min              | 8%                    | 8%                    | D638 <sup>2</sup>  |
| Flexural modulus (1% secant) at 1.27 mm/min | 280,000 psi           | 1931 MPa              | D790A <sup>2</sup> |
| Notched Izod impact strength, at 73°F/23°C  | 0.6 ft-lb/in          | 32 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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