

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 ¹
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Tensile yield strength, at 51 mm/min	3700 psi	25.5 MPa	D638 ²
Yield elongation, at 51 mm/min	12%	12%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	137,000 psi	945 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	1.0 ft-lb/in	53 J/m 5.2 kJ/m ²	D256 ²

¹Condition L 230/2.16

²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a) UNIPOL is a trademark of Union Carbide Corporation

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