

Pinnacle PP 5120H

Polypropylene Random Copolymer

Pinnacle Polymers

Message:

20 MELT FLOW RANDOM COPOLYMER FOR INJECTION MOLDING

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.

The 5120H product provides:

- Superior color and processing stability
- Low odor
- Good flow and set-up behavior
- Antistatic 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.

General Information			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Color Stability		
	Good Flow		
	Good Processing Stability		
	Low to No Odor		
	Nucleated		
	Random Copolymer		
Uses	Caps		
	Closures		
	General Purpose		
Agency Ratings	FDA 21 CFR 177.1520(c) 3.1a		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method

Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	25.5	MPa	ASTM D638
Tensile Elongation ² (Yield, 3.20 mm, Injection Molded)	12	%	ASTM D638
Flexural Modulus - 1% Secant ³ (3.20 mm, Injection Molded)	945	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁴ (23°C, 3.20 mm, Injection Molded)	53	J/m	ASTM D256
Notched Izod Impact (Area) ⁵ (23°C, 3.20 mm, Injection Molded)	5.20	kJ/m ²	ASTM D256
NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		
3.	Type I, 1.3 mm/min		
4.	Type I		
5.	Type I		

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