

Pinnacle PP 1120 H

Polypropylene Homopolymer

Pinnacle Polymers

Message:

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

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.

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.

General Information			
UL YellowCard	E130336-221935		
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Color Stability		
	Good Flow		
	Good Processing Stability		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
	Nucleated		
Uses	Closures		
	General Purpose		
	Thin-walled Containers		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
	UL Unspecified Rating		
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)	21	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.4	%	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	39.3	MPa	ASTM D638
Tensile Elongation ² (Yield, 3.20 mm, Injection Molded)	8.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (3.20 mm, Injection Molded)	1930	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁴ (23°C, 3.20 mm, Injection Molded)	32	J/m	ASTM D256
Notched Izod Impact (Area) ⁵ (23°C, 3.20 mm, Injection Molded)	3.10	kJ/m ²	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed)	131	°C	ASTM D648
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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