

Pinnacle PP 1345Z

Polypropylene Homopolymer

Pinnacle Polymers

Message:

45 MELT FLOW HOMOPOLYMER POLYPROPYLENE WITH NUCLEATOR AND ANTISTAT FOR THIN WALL INJECTION MOLDING

Pinnacle Polymers Polypropylene 1345Z 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 thin-wall injection molded applications including closures, food containers and miscellaneous consumer products applications that require high stiffness.

The 1345Z product provides:

- Superior set-up behavior
- Excellent color and processing stability
- Low odor and taste
- Excellent flow characteristics
- High stiffness
- Nucleation and antistat

This product, 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) 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			
Additive	Antistatic		
	Nucleating Agent		
Features	Antistatic		
	Food Contact Acceptable		
	Good Color Stability		
	Good Flow		
	Good Processing Stability		
	High Stiffness		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
	Nucleated		
Uses	Closures		
	Consumer Applications		
	Food Containers		
	Thin-walled Parts		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
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)	45	g/10 min	ASTM D1238
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)	3.00	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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