

Pinnacle PP 1335 Z

Polypropylene Homopolymer

Pinnacle Polymers

Message:

35 MELT FLOW HOMOPOLYMER POLYPROPYLENE WITH NUCLEATION AND ANTISTAT FOR THIN WALL INJECTION MOLDING

Pinnacle Polymers Polypropylene 1335 Z 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 1335 Z product provides:

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

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	E130336-100197927
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
	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)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3	%	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)	1720	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)	127	°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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