

# 1335 Z

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

### Product Description and Applications:

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.

### Features:

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.

### Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	35 g/10 min.	35 g/10 min.	D1238 <sup>1</sup>
Density at 23°C	0.9 g/cm <sup>3</sup>	900 kg/m <sup>3</sup>	D1505
Shrinkage	0.013 in/in	0.013 mm/mm	D955
Heat Deflection Temperature at 0.455 MPa (66psi)	261°F	127°C	
Tensile yield strength, at 51 mm/min	5700 psi	39.3 MPa	D638 <sup>2</sup>
Yield elongation, at 51 mm/min	8%	8%	D638 <sup>2</sup>
Flexural modulus (1% secant) at 1.27 mm/min	250,000 psi	1723 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	0.6 ft-lb/in	32 J/m 3.1 kJ/m <sup>2</sup>	D256 <sup>2</sup>

<sup>1</sup>Condition L 230/2.16

<sup>2</sup>ASTM 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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