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1355N1

55 MELT FLOW HOMOPOLYMER POLYPROPYLENE WITH FAST NUCLEATOR

Product Description and Applications:

Pinnacle Polymers Polypropylene 1355N1 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 DVD cases, and consumer products applications that require high stiffness. This product has superior nucleating ability to reduce molding cycle-time.

Features:

The 1355N1 product provides:

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

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.

Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	55 g/10 min.	55 g/10 min.	D1238 ¹
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Tensile yield strength, at 51 mm/min	5700 psi	39.3 MPa	D638 ²
Yield elongation, at 51 mm/min	8%	8%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	290,000 psi	2000 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	0.5 ft-lb/in	27 J/m	D256 ²

¹Condition L 230/2.16

²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)

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