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1635AF

DEVELOPMENTAL DATA**

35 MELT FLOW HOMOPOLYMER

Product Description and Applications:

Pinnacle Polymers Polypropylene 1635AF 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 injection molding; the flow properties should be of particular benefit in the production of thin-walled articles. It contains no nucleators, antistats or animal derivatives.

Potential applications include: healthcare/medical packaging, labware, containers and thin-wall articles in general.

Features:

The 1635AF highlights:

- Heat Sterilizable (autoclavable)
- Contains no animal derivatives
- Excellent color and processing stability
- Low Extractables

Pinnacle's polypropylene, 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	35 g/10 min.	35 g/10 min.	D1238 ¹
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Tensile Yield Strength, @ 51mm/min	5000 psi	34.5 MPa	D638
Yield Elongation, @ 51mm/min	10%	10%	D638
Flexural Modulus (1% secant) @ 1.27 mm/in	225,000 psi	1552 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)

**Developmental data - A statistically valid sample size does not exist to determine the average physical properties. These data may change as additional results become available.

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