Pinnacle PP 1635AF

Pinnacle Polymers - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

35 MELT FLOW HOMOPOLYMER

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.

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.

General			
Material Status	• Experimental: Active		
Availability	• Europe	• North America	
Features	• Autoclavable • Food Contact Acceptable • Good Color Stability	• Good Processing Stability • Heat Sterilizable • Homopolymer	• Low Extractables • No Animal Derived Components
Uses	• Containers • Labware	• Medical Packaging • Thin-walled Parts	
Agency Ratings	• FDA 21 CFR 177.1520(c) 1.1a		
Forms	• Pellets		
Processing Method	• Injection Molding		

ASTM & ISO Properties [1]

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [2] (Yield, 0.126 in, Injection Molded)	5000	psi	ASTM D638
Tensile Elongation [2] (Yield, 0.126 in, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant [3] (0.126 in, Injection Molded)	225000	psi	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact [4] (73°F, 0.126 in, Injection Molded)	0.51	ft·lb/in	ASTM D256

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Notes

[1] Typical properties: these are not to be construed as specifications.

[2] Type I, 2.0 in/min

[3] Type I, 0.050 in/min

[4] Type I