

# Pinnacle PP 1635AF

Polypropylene Homopolymer

Pinnacle Polymers

## Message:

### 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 Information			
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		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield, 3.20 mm, Injection Molded)	34.5	MPa	ASTM D638

Tensile Elongation <sup>2</sup> (Yield, 3.20 mm, Injection Molded)	10	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (3.20 mm, Injection Molded)	1550	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>4</sup> (23°C, 3.20 mm, Injection Molded)	27	J/m	ASTM D256
NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		
3.	Type I, 1.3 mm/min		
4.	Type I		

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