

Pinnacle PP 1104A

Polypropylene Homopolymer

Pinnacle Polymers

Message:

4 MELT FLOW HOMOPOLYMER PROFILE EXTRUSION GRADE

Pinnacle Polymers Polypropylene 1104A 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 flexible drinking straws and other high-speed profile extrusion applications. Contains an anti-static.

The 1104A product provides:

- Excellent color and processing stability
- Resistance to static build-up
- Low taste and odor
- Excellent cleanliness

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			
Additive	Antistatic		
Features	Antistatic		
	Clean/High Purity		
	Food Contact Acceptable		
	Good Color Stability		
	Good Flexibility		
	Good Processing Stability		
	Homopolymer		
	Low to No Odor		
	Low to No Taste		
Uses	Drinking Straws		
	Profiles		
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a		
Forms	Pellets		
Processing Method	Profile Extrusion		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	4.8	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength ¹ (Yield, 3.20 mm, Injection Molded)	35.9	MPa	ASTM D638
Tensile Elongation ² (Yield, 3.20 mm, Injection Molded)	10	%	ASTM D638

Flexural Modulus - 1% Secant ³ (3.20 mm, Injection Molded)	1660	MPa	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁴ (23°C, 3.20 mm, Injection Molded)	37	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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