



Pinnacle PP 1512I

Pinnacle Polymers - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

11 MELT FLOW HOMOPOLYMER FOR FIBER SPINNING

Pinnacle Polymers Polypropylene 1512I 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 fiber spinning and other critical extrusion applications.

The 1512I product provides:

- Excellent color processing stability
- Superior fiber spinning characteristics
- Resistance to gas fading
- Enhanced fiber resiliency
- Excellent lot-to-lot consistency

Pinnacle's polypropylene, as marketed by Pinnacle Polymers, 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 Cosmetics Act of 1938.

General

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Features	• Food Contact Acceptable • Gas-fading Resistant	• Good Color Stability • Good Processing Stability	• Homopolymer • Resilient
Uses	• Fibers		
Agency Ratings	• FDA 21 CFR 177.1520(c) 1.1a		
Forms	• Pellets		
Processing Method	• Extrusion	• Fiber (Spinning) Extrusion	

ASTM & ISO Properties ¹

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm ³	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	11	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)	9.0	%	ASTM D638
Flexural Modulus - 1% Secant ³ (0.126 in, Injection Molded)	240000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact ⁴ (73°F, 0.126 in, Injection Molded)	0.60	ft-lb/in	ASTM D256

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