



Pinnacle PP 1335C3

Pinnacle Polymers - Polypropylene Homopolymer

Tuesday, November 5, 2019

General Information

Product Description

35 MELT FLOW CLARIFIED HOMOPOLYMER

Pinnacle Polymers Polypropylene 1335C3 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 applications requiring good see-through clarity. Contains new technology clarifier for superior clarity.

The 1335C3 product provides:

- Superior clarity
- Good melt strength and stretchability
- Superior color and processing stability
- Excellent cleanliness

Pinnacle's 1335C3 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	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Clarifier		
Features	• Clean/High Purity • Food Contact Acceptable • Good Color Stability	• Good Melt Strength • Good Processing Stability • Good Stretchability	• High Clarity • Homopolymer
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/cm ³	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)	5660	psi	ASTM D638
Tensile Elongation ² (Yield, 0.126 in, Injection Molded)	14	%	ASTM D638
Flexural Modulus - 1% Secant ³ (0.126 in, Injection Molded)	273000	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
Notched Izod Impact (Area) ⁴ 73°F, 0.126 in, Injection Molded	1.48	ft-lb/in ²	ASTM D256
Optical	Nominal Value	Unit	Test Method
Haze (50.0 mil)	25.0	%	

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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