Pinnacle PP 1350N

Polypropylene Homopolymer

Pinnacle Polymers

Message:

55 MELT FLOW HOMOPOLYMER POLYPROPYLENE FOR INJECTION MOLDING
Pinnacle Polymers Polypropylene 1350N 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 general-purpose injection molding of thin wall containers. 1350N contains a nucleation additive package.
The 1350N product provides:
Superior color and processing stability
Good flow characteristics
Low odor and taste
High melt flow
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 Cosmetic Act of 1938.

General Information			
Additive	Nucleating Agent		
Features	Food Contact Acceptable Good Color Stability Good Flow Good Processing Stability Homopolymer Low to No Odor Low to No Taste Nucleated		
Uses	General Purpose Thin-walled Containers		
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/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	55	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm, Injection Molded)	40.0	MPa	ASTM D638
Tensile Elongation [2] (Yield, 3.20 mm, Injection Molded)	8.0	%	ASTM D638

Flexural Modulus - 1% Secant [3] (3.20 mm, Injection Molded)	2000	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact [4] (23°C, 3.20 mm, Injection Molded)	27	J/m	ASTM D256
Notched Izod Impact (Area) [5] (23°C, 3.20 mm, Injection Molded)	2.60	kJ/m^2	ASTM D256
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	116	°C	ASTM D648
NOTE			
1.	Type I, 51 mm/min		
2.	Type I, 51 mm/min		
3.	Type I, 1.3 mm/min		
4.	Type I		
5.	Type I		

Recommended distributors for this material

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