Pinnacle PP 1635

Polypropylene Homopolymer

Pinnacle Polymers

Message:

35 MELT FLOW HOMOPOLYMER
Pinnacle Polymers Polypropylene 1635 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 low denier per filament yarns; extrusion coating applications; and specialty cast embossed films.
The 1635 product provides:
Excellent color and processing stability
Superior fiber spinning characteristics
Resistance to gas fading
Excellent component for extrusion coating
Narrow Molecular Weight Distribution
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	Food Contact Acceptable Gas-fading Resistant Good Color Stability Good Processing Stability Homopolymer Narrow Molecular Weight Distribution
Uses	Cast Film Coating Applications Yarn
Agency Ratings	FDA 21 CFR 177.1520(c) 1.1a
Forms	Pellets
Processing Method	Cast Film Extrusion Coating Fiber (Spinning) Extrusion

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	35	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.2	%	ASTM D955
Mechanical	**Nominal Value**	**Unit**	**Test Method**
Tensile Strength [1] (Yield, 3.20 mm, Injection Molded)	34.5	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)	1550	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)	99.0	°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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