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1204

4.6 MELT FLOW PP HOMOPOLYMER FOR EXTRUSION AND INJECTION MOLDING WITH LONG TERM HEAT AGING RESISTANCE

Product Description and Applications:

Pinnacle Polymers Polypropylene 1204 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 extrusion and injection molding of appliance and other consumer product applications. Also contains a long term heat aging additive system.

Features:

The 1204 product provides:

- Excellent long term heat aging properties
- Excellent color and processing stability
- High stiffness and fast set-up behavior
- 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 Cosmetic Act of 1938.

Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	4.6 g/10 min.	4.6 g/10 min.	D1238 ¹
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Tensile yield strength, at 51 mm/min	5,400 psi	37 MPa	D638 ²
Yield elongation, at 51 mm/min	9%	9%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	253,000 psi	1700 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	0.8 ft-lb/in	43 J/m	D256 ²
Heat Deflection Temperature at 0.455 MPa (66psi)	221°F	105°C	D648
Shrinkage	0.012 in/in	0.012 mm/mm	D955

¹Condition L 230/2.16

²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)

³Method G, Geometry GC

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