

1508

7.9 MELT FLOW HOMOPOLYMER FOR FIBER SPINNING

Product Description and Applications:

Pinnacle Polymers Polypropylene 1508 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.

Features:

The 1508 product provides:

- Excellent color and processing stability
- Superior fiber spinning characteristics
- Resistant to gas fading
- Excellent UV stability
- Excellent cleanliness

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 | 7.9 g/10 min. | 7.9 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 | 5100 psi | 35.2 Mpa | D638 ² |
| Yield elongation, at 51 mm/min | 9% | 9% | D638 ² |
| Flexural modulus (1% secant) at 1.27 mm/min | 240,000 psi | 1656 Mpa | D790A ² |
| Notched Izod impact strength, at 73°F/23°C | 0.6 ft-lb/in | 32 K/m | D256 ² |

¹Condition L 230/2.16

²ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a) UNIPOL is a trademark of Union Carbide Corporation

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