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# 1635

## 35 MELT FLOW HOMOPOLYMER

### Product Description and Applications:

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.

### Features:

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.

## Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	35 g/10 min.	35 g/10 min.	D1238 <sup>1</sup>
Density at 23°C	0.9 g/cm <sup>3</sup>	900 kg/m <sup>3</sup>	D1505
Tensile Yield Strength, @ 51mm/min	5000 psi	34.5 MPa	D638
Yield Elongation, @ 51mm/min	10%	10%	D638
Flexural Modulus (1% secant) @ 1.27 mm/in	225,000 psi	1552 MPa	D790A <sup>2</sup>
Notched Izod impact strength, at 73°F/23°C	0.5 ft-lb/in	27 J/m	D256 <sup>2</sup>

<sup>1</sup>Condition L 230/2.16

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

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