

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 1635 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. May be used in contact with food types I, II, IV-B, VII-B and VIII described in Table 1 of § 176.170(c), under conditions of use B through H described in table 2 of § 176.170(c) and with food types III, IV-A, V, VI, VII-A, and IX described in Table 1 of § 176.170(c) under conditions of use D through H described in table 2 of § 176.170(c).

Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	35 g/10 min.	35 g/10 min.	D1238 ¹
Density at 23°C	0.9 g/cm ³	900 kg/m ³	D1505
Shrinkage	0.012 in/in	0.012 mm/mm	D955
Heat Deflection Temperature at 0.455 MPa (66psi)	210°F	99°C	D648
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 ²
Notched Izod impact strength, at 73°F/23°C	0.5 ft-lb/in	27 J/m 2.6 kJ/m ²	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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