

2199H

100 MELT FLOW IMPACT COPOLYMER POLYPROPYLENE FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 2199H 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 controlled rheology copolymer is intended for use in thin wall injection molded packaging, housewares and consumer products applications. Ultra High Melt Flow dramatically improves cycle-times without forfeiting properties. Contains nucleator and antistat.

Features:

The 2199H product provides:

- Excellent cycle-time
- Very high melt flow
- Excellent mold release
- Superior processability
- Excellent lot-to-lot consistency

Pinnacle's 2199H polypropylene as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form is covered under US FDA Food Contact Notification 864. As such, this polymer complies with the requirements of CFR Title 21 and can be used in contact with all food types under Conditions of Use A-H.

Typical Properties **

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	100 g/10 min.	100 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	2900 psi	20 MPa	D638 ²
Yield elongation, at 51 mm/min	5%	5%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	155,000 psi	1069 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	1.3 ft-lb/in	69 J/m 6.8 kJ/m ²	D256 ²
Gardner Impact at -22°F/-30°C	219 in-lb	24 J	D5420 ³

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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FDA and SDS documents are available on our website at: <http://www.pinnaclepolymers.com/datasds.php>

** Data based on small sample set