

2135H

35 MELT FLOW MEDIUM IMPACT COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 2135H 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 packaging, housewares and consumer products applications. Contains nucleator and antistat.

Features:

The 2135H product provides:

- High stiffness and impact strength
- High melt flow
- Excellent mold release
- Superior processability
- Excellent lot-to-lot consistency
- UL Listed

Pinnacle's 2135H 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	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	0.014 in/in	0.014 mm/mm	D955
Heat Deflection Temperature at 0.455 MPa (66psi)	217°F	103°C	D648
Tensile yield strength, at 51 mm/min	3300 psi	22.8 MPa	D638 ²
Yield elongation, at 51 mm/min	6%	6%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	170,000 psi	1173 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	3.5 ft-lb/in	187 J/m	D256 ²
Gardner Impact at -22°F/-30°C	200 in-lb	22 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>

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