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2135N

35 MELT FLOW IMPACT COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 2135N 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 requiring higher Flex and toughness. Contains nucleator, but no antistat.

Features:

The 2135N product provides:

- High stiffness and excellent impact strength
- High melt flow
- Fast cycle-time
- Superior processability
- Excellent lot-to-lot consistency

Pinnacle's 2135N 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
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	160,000 psi	1104 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>