



P. O. Drawer E
 Garyville, LA 70051
 Tel: (985) 535-2000
 Fax: (985) 535-1234

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.

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 is covered under US FDA Food Contact Notification 864. As such, this polymer can be used in contact with all food types under Conditions of Use A-H, as described in 21 CFR 176.170, Tables 1 and 2. This polymer also complies with 21 CFR 177.1520(c), items 3.1(a) and 3.2(a).

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 18.3	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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