



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

2150H

50 MELT FLOW MEDIUM IMPACT COPOLYMER POLYPROPYLENE FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 2150H 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.

Features:

The 2150H product provides:

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

Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	50 g/10 min.	50 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	22.3 MPa	D638 ²
Yield elongation, at 51 mm/min	5%	5%	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	180,000 psi	1242 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	≥ 2 ft-lb/in	≥ 107 J/m	D256 ²
Gardner Impact at -22°F/-30°C	170 in-lb	19 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

UNIPOL is a trademark of Union Carbide Corporation