



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

2120H

20 MELT FLOW IMPACT COPOLYMER POLYPROPYLENE

Product Description and Applications:

Pinnacle Polymers Polypropylene 2120H 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 large buckets and other injection molding applications where toughness and cold temperature impact strength are required.

Features:

The 2120H product provides:

- Excellent cleanliness
- Superior toughness
- Excellent color and process stability
- Good melt strength
- Fast Set-up time
- UL Listed

Pinnacle's 2120H 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	20 g/10 min.	20 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	3500 psi	24.2 MPa	D638 ²
Yield elongation, at 51 mm/min	11%	11%	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	≥3.5 ft-lb/in	≥187 J/m	D256 ²
Gardner Impact strength at -22°F/-30°C	150 in-lb	16.5 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