

4119H

19 MELT FLOW ULTRA HIGH IMPACT PP COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 4119H 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 use in applications where superior impact properties are required. It should be considered for fabrication of cold or all-weather items.

Features:

The 4119H product provides:

- Cold temperature impact resistant
- Excellent mold release
- Superior balance of stiffness and impact strength
- Excellent color and processing stability

Typical Properties

Property	Units	Test Method
Melt Flow Rate	19 g/10 min.	ASTM D1238
Density at 23°C	0.896 g/cm ³	ISO 1183-1
Tensile Yield Strength, at 50 mm/min	19.7 MPa	ISO 527
Tensile Strain at Yield	6%	ISO 527
Flexural Modulus	1210 MPa	ISO 178
Notched Izod Impact Strength, at 23°C	≥534 J/m	ATSM D256
Notched Izod Impact Strength at -30°C	107 J/m	ATSM D256
Gardner Impact Strength at -30°C	≥34 J	ATSM D5420
Charpy Impact Strength, at 23°C	9.7 kJ/m ²	ISO 179-1
Heat Deflection Temperature at 0.455 MPa (66psi)	89 °C	ISO 75-1
Vicat	140 °C	ISO 306

FDA, EU 10/2011/EC, and SDS documents are available on our website at: <https://pinnaclepolymers.com/documents-datasheets/regulatory-documents>

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