

4211

11 MELT FLOW HIGH IMPACT COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 4211 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 injection molding of automotive, appliance, lawn and garden products, consumer and industrial applications. Provides an excellent base stock for compounding of filled and reinforced grades.

Features:

The 4211 product provides:

- Wet/Dry environment resistance
- Superior balance of stiffness and impact strength
- Excellent color and processing stability
- Long Term Heat Stability

Typical Properties

Property	Units	Test Method
Melt Flow Rate	11 g/10min	ATSM D1238
Density at 23°C	900 kg/m ³	ISO 1183-1
Heat Deflection Temperature (0.455MPa/66psi)	85°C	ATSM D648
Tensile Yield Strength, at 50 mm/min	17.8 MPa	ISO 527
Tensile Strain at Yield	8.5%	ISO 527
Flexural Modulus	1035 MPa	ISO 178
Notched Izod Breaks, at 23°C	100% No-breaks	ATSM D256
Notched Izod Impact Strength, at 23°C	≥10 ft-lb/in	ATSM D256
Charpy Impact Strength, at 23°C	15.0 kJ/m ²	ISO 179-1
Gardner Impact Strength at -30°C	35.2 J	ATSM D5420

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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