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4211

11 MELT FLOW ULTRA 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
- Enhanced weld-line strength

It is characterized by its easy mold flow and high impact at both room and sub ambient conditions.

Typical Properties

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	11 g/10 min.	11 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	3200 psi	22.1 MPa	D638 ²
Flexural modulus (1% secant) at 1.27 mm/min	160,000 psi	1104 MPa	D790A ²
Notched Izod impact strength, at 73°F/23°C	≥10 ft-lb/in	≥534 J/m	D256 ²
Gardner Impact strength at -22°F/-30°C	≥300 in-lb	≥33.0 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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