3208

8 MELT FLOW HIGH IMPACT COPOLYMER FOR INJECTION MOLDING

Product Description and Applications:

Pinnacle Polymers Polypropylene 3208 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 including battery cases as well as other consumer product applications . Also contains a long-term heat aging additive system.

Features:

The 3208 product provides:

- Wet/Dry environment resistance
- Superior balance of stiffness and high impact strength
- Excellent long term heat aging properties
- Excellent color and processing stability
- Enhanced weld-line strength
- UL Listed

Pinnacle's 3208 polypropylene as marketed by Pinnacle Polymers Company, in natural, uncolored pellet form is covered under US FDA Food Contact Notification 864. As such, this polymer complies with the requirements of CFR Title 21 and can be used in contact with all food types under Conditions of Use A-H.

Property	Traditional Units	SI Units	ASTM Test
Melt Flow Rate	8 g/10 min.	8 g/10 min.	D1238[1]
Density at 23°C	0.9 g/cm^3	900 kg/m^3	D1505
Shrinkage	0.013 in/in	0.013 mm/mm	D955
Heat Deflection Temperature at 0.455 MPa (66psi)	178°F	81°C	D648
Tensile yield strength, at 51 mm/min	3400 psi	23.5 MPa	D638[2]
Yield elongation, at 51 mm/min	7%	7%	D638[2]
Flexural modulus (1% secant) at 1.27 mm/min	155,000 psi	1070 MPa	D790A[2]
Notched Izod impact strength, at 73°F/23°C	6 ft-lb/in	≥320 J/m ≥31 kJ/m²	D256[2]
Gardner Impact strength at -22°F/-30°C	300 in-lb	33 J	D5420[3]

[1]Condition L 230/2.16
[2]ASTM Type I specimen, 3.2 mm thick (injection molded per ASTM D4101-92a)
[3]Method G, Geometry GC
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FDA and SDS documents are available on our website at: http://www.pinnaclepolymers.com/datasds.php