Pinnacle PP 3208

Polypropylene Impact Copolymer

Pinnacle Polymers

Message:

8 MELT FLOW HIGH IMPACT COPOLYMER FOR INJECTION MOLDING
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 and consumer product applications. Also contains a long-term heat aging additive system.
The 3208 product provides:
Wet/Dry environment resistance
Superior balance of stiffness and impact strength
Excellent long term heat aging properties
Excellent color and processing stability
Enhanced weld-line strength
Pinnacle's 3208 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).

General Information		
UL YellowCard	E130336-221941	E130336-221942
Additive	Heat Stabilizer	
Features	Food Contact Acceptable Good Color Stability Good Heat Aging Resistance Good Processing Stability Heat Stabilized High Impact Resistance Impact Copolymer Weldable	
Uses	Automotive Applications Consumer Applications	
Agency Ratings	FDA 21 CFR 176.170 Table 1 & 2, Cond A-H FDA 21 CFR 177.1520(c) 3.1a FDA 21 CFR 177.1520(c) 3.2a	
Forms	Pellets	
Processing Method	Injection Molding	

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm³	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	1.3	%	ASTM D955

Mechanical	Nominal Value	Unit	Test Method

Tensile Strength [1] (Yield, 3.20 mm, Injection Molded)	23.5	MPa	ASTM D638
Tensile Elongation [2] (Yield, 3.20 mm, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant [3] (3.20 mm, Injection Molded)	1070	MPa	ASTM D790A
Impact	**Nominal Value**	**Unit**	**Test Method**
Notched Izod Impact [4] (23°C, 3.20 mm, Injection Molded)	> 320	J/m	ASTM D256
Notched Izod Impact (Area) [5] (23°C, 3.20 mm, Injection Molded)	> 31.0	kJ/m^2	ASTM D256
Gardner Impact [6] (-30°C)	33.0	J	ASTM D5420
Thermal	**Nominal Value**	**Unit**	**Test Method**
Deflection Temperature Under Load (0.45 MPa, Unannealed)	81.0	°C	ASTM D648

NOTE	
1.	Type I, 51 mm/min
2.	Type I, 51 mm/min
3.	Type I, 1.3 mm/min
4.	Type I
5.	Type I
6.	Method G, Geometry GC

Recommended distributors for this material

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