



# Pinnacle PP 3208

## Pinnacle Polymers - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

### General Information

#### Product Description

##### 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

Material Status	• Commercial: Active		
Availability	• Europe	• North America	
Additive	• Heat Stabilizer		
Features	• Food Contact Acceptable • Good Color Stability • Good Processing Stability	• Heat Aging Resistant • 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		

### ASTM & ISO Properties <sup>1</sup>

Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (230°C/2.16 kg)	8.0	g/10 min	ASTM D1238
Molding Shrinkage - Flow	0.013	in/in	ASTM D955
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, 0.126 in, Injection Molded)	3410	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, 0.126 in, Injection Molded)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (0.126 in, Injection Molded)	155000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>4</sup> (73°F, 0.126 in, Injection Molded)	> 6.0	ft·lb/in	ASTM D256
Notched Izod Impact (Area) <sup>4</sup>			ASTM D256
73°F, 0.126 in, Injection Molded	> 14.8	ft·lb/in <sup>2</sup>	

UL and the UL logo are trademarks of UL LLC © 2019. All Rights Reserved.

The information presented here was acquired by UL from the producer of the product or material or original information provider. However, UL assumes no responsibility or liability for the accuracy of the information contained on this website and strongly encourages that upon final product or material selection information is validated with the manufacturer. This website provides links to other websites owned by third parties. The content of such third party sites is not within our control, and we cannot and will not take responsibility for the information or content.

# Pinnacle PP 3208

## Pinnacle Polymers - Polypropylene Impact Copolymer

Impact	Nominal Value	Unit	Test Method
Gardner Impact <sup>5</sup> (-22°F)	292	in·lb	ASTM D5420
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (66 psi, Unannealed)	178	°F	ASTM D648

### Notes

<sup>1</sup> Typical properties: these are not to be construed as specifications.

<sup>2</sup> Type I, 2.0 in/min

<sup>3</sup> Type I, 0.050 in/min

<sup>4</sup> Type I

<sup>5</sup> Method G, Geometry GC