



# Pinnacle PP 2135N

## Pinnacle Polymers - Polypropylene Impact Copolymer

Tuesday, November 5, 2019

### General Information

#### Product Description

##### 35 MELT FLOW IMPACT COPOLYMER FOR INJECTION MOLDING

Pinnacle Polymers Polypropylene 2135N 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 packaging, housewares and consumer products requiring higher Flex and toughness. Contains nucleator, but no antistatic.

The 2135N product provides:

- High stiffness and excellent impact strength
- High melt flow
- Fast cycle-time
- Superior processability
- Excellent lot-to-lot consistency

Pinnacle's 2135N 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	• Nucleating Agent		
Features	• Fast Molding Cycle • Food Contact Acceptable • Good Flexibility • Good Processability	• Good Toughness • High Flow • High Impact Resistance • High Stiffness	• Impact Copolymer • Nucleated
Uses	• Consumer Applications	• Household Goods	• Packaging
Agency Ratings	• FDA 21 CFR 176.170 Tables 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)	35	g/10 min	ASTM D1238
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>2</sup> (Yield, 0.126 in, Injection Molded)	3300	psi	ASTM D638
Tensile Elongation <sup>2</sup> (Yield, 0.126 in, Injection Molded)	6.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (0.126 in, Injection Molded)	160000	psi	ASTM D790A
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact <sup>4</sup> (73°F, 0.126 in, Injection Molded)	> 3.5	ft·lb/in	ASTM D256
Notched Izod Impact (Area) <sup>4</sup>			ASTM D256
73°F, 0.126 in, Injection Molded	> 8.71	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 2135N

## Pinnacle Polymers - Polypropylene Impact Copolymer

Impact	Nominal Value	Unit	Test Method
Gardner Impact <sup>5</sup> (-22°F)	195	in·lb	ASTM D5420

**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