

# SureSpec IP-200NA

Polypropylene Impact Copolymer

Genesis Polymers

## Message:

IP-200NA is an Impact injection molding copolymer certified prime resin designed for applications requiring excellent balance of stiffness and impact resistance. IP-200NA offers very good dimensional stability and impact resistance at low temperatures, improved processability, high flow rate and fast cycling. IP-200NA complies with FDA regulation 21CFR 177.1520 (a)(3)(i) / (c)3.1 + 3.2, and most international regulations concerning the use of Polypropylene in contact with food.

General Information			
Features	Fast Molding Cycle		
	Food Contact Acceptable		
	Good Dimensional Stability		
	Good Impact Resistance		
	Good Stiffness		
	High Flow		
	Impact Copolymer		
	Low Temperature Impact Resistance		
Agency Ratings	FDA 21 CFR 177.1520(a) 3 (i)		
	FDA 21 CFR 177.1520(c) 3.1		
	FDA 21 CFR 177.1520(c) 3.2		
Forms	Pellets		
Processing Method	Injection Molding		
Physical	Nominal Value	Unit	Test Method
Density	0.900	g/cm <sup>3</sup>	ASTM D1505
Melt Mass-Flow Rate (MFR) (230°C/2.16 kg)	20	g/10 min	ASTM D1238
Hardness	Nominal Value	Unit	Test Method
Rockwell Hardness (R-Scale)	81		ASTM D785
Mechanical	Nominal Value	Unit	Test Method
Tensile Strength <sup>1</sup> (Yield)	21.9	MPa	ASTM D638
Tensile Elongation <sup>2</sup> (Yield)	7.0	%	ASTM D638
Flexural Modulus - 1% Secant <sup>3</sup> (Injection Molded)	1080	MPa	ASTM D790
Impact	Nominal Value	Unit	Test Method
Notched Izod Impact (23°C)	160	J/m	ASTM D256
Thermal	Nominal Value	Unit	Test Method
Deflection Temperature Under Load (0.45 MPa, Unannealed, Injection Molded)	88.0	°C	ASTM D648
Vicat Softening Temperature	132	°C	ASTM D1525

## NOTE

1.	50 mm/min
2.	50 mm/min
3.	1.3 mm/min

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## Recommended distributors for this material

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