

SureSpec IP-200NB

Polypropylene Impact Copolymer

Genesis Polymers

Message:

IP-200NB is a certified prime resin designed for injection molding applications featuring High Impact Performance. IP-200NB complies with FDA regulation 21CFR 177.1520 concerning the Polypropylene use in contact with food articles.

| General Information | | | |
|---|-------------------------|-------------------|-------------|
| Features | Food Contact Acceptable | | |
| | High Impact Resistance | | |
| | Impact Copolymer | | |
| Agency Ratings | FDA 21 CFR 177.1520 | | |
| Forms | Pellets | | |
| Processing Method | Injection Molding | | |
| Physical | Nominal Value | Unit | Test Method |
| Density | 0.900 | g/cm ³ | 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) | 90 | | ASTM D785 |
| Mechanical | Nominal Value | Unit | Test Method |
| Tensile Strength ¹ (Yield) | 21.0 | MPa | ASTM D638 |
| Tensile Elongation ² (Yield) | 8.0 | % | ASTM D638 |
| Flexural Modulus - 1% Secant ³ | 965 | MPa | ASTM D790 |
| Impact | Nominal Value | Unit | Test Method |
| Notched Izod Impact (23°C) | No Break | | ASTM D256 |
| NOTE | | | |
| 1. | 50 mm/min | | |
| 2. | 50 mm/min | | |
| 3. | 1.3 mm/min | | |

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