

# SureSpec IP-200

Polypropylene Impact Copolymer

Genesis Polymers

## Message:

IP-200 is a certified prime resin designed for injection molding applications requiring Medium Impact Performance. IP-200 complies with FDA regulation 21CFR 177.1520(c) 3.1a, conditions of use C-H (per 21CFR 176.170(c)).

| General Information                                      |                             |                   |             |
|----------------------------------------------------------|-----------------------------|-------------------|-------------|
| Features                                                 | Food Contact Acceptable     |                   |             |
|                                                          | Impact Copolymer            |                   |             |
|                                                          | Medium Impact Resistance    |                   |             |
| Agency Ratings                                           | FDA 21 CFR 176.170(c) 2     |                   |             |
|                                                          | FDA 21 CFR 177.1520(c) 3.1a |                   |             |
| 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  |
| Mechanical                                               | Nominal Value               | Unit              | Test Method |
| Tensile Strength <sup>1</sup> (Yield)                    | 26.2                        | MPa               | ASTM D638   |
| Tensile Elongation <sup>2</sup> (Yield)                  | 7.0                         | %                 | ASTM D638   |
| Flexural Modulus - 1% Secant <sup>3</sup>                | 1030                        | MPa               | ASTM D790   |
| Impact                                                   | Nominal Value               | Unit              | Test Method |
| Notched Izod Impact (23°C)                               | 110                         | J/m               | ASTM D256   |
| Thermal                                                  | Nominal Value               | Unit              | Test Method |
| Deflection Temperature Under Load (0.45 MPa, Unannealed) | 90.0                        | °C                | ASTM D648   |
| NOTE                                                     |                             |                   |             |
| 1.                                                       | 50 mm/min                   |                   |             |
| 2.                                                       | 50 mm/min                   |                   |             |
| 3.                                                       | 1.3 mm/min                  |                   |             |

The information and data on this page are provided by manufacturers and document providers. SHANGHAI SUSHENG assumes no legal liability. It is strongly recommended to verify all technical data with material suppliers before final material selection. All rights belong to the original authors. If any infringement occurs, please contact us immediately.

Recommended distributors for this material

Susheng Import & Export Trading Co.,Ltd.

Tel: +86 21 5895 8519

Phone: +86 13424755533

Email: [sales@su-jiao.com](mailto:sales@su-jiao.com)

No. 215, Lianhe North Road, Fengxian District, Shanghai, China

