

# POLYPROPYLENE

## HG100

### Homopolymer Polypropylene for Injection molding & Compound application

#### Description

HG100 is a homopolymer polypropylene intended for injection molding & compound application. Product made from this resin exhibits high flow, high stiffness

#### Application

- Injection application
- Compound application

| Resin Properties            | Typical Value | Unit              | Test Method |
|-----------------------------|---------------|-------------------|-------------|
| MFR (230°C/2.16kg)          | 11            | g/10min           | ASTM D1238  |
| Density                     | 0.9           | g/cm <sup>3</sup> | ASTM D792A  |
| Mechanical Properties       |               |                   |             |
| Tensile Strength at Yield   | 36            | MPa               | ASTM D638   |
| Flexural Modulus            | 1,700         | MPa               | ASTM D790   |
| Flexural Strength           | 44            | MPa               | ASTM D790   |
| Izod Impact, Notched (23°C) | 2.0           | kJ/m <sup>2</sup> | ASTM D256   |
| Thermal Properties          |               |                   |             |
| Heat Deflection (0.45Mpa)   | 120           | °C                | ASTM D648   |

**Processing conditions** • Injection Temperature 160 - 240 °C

**Storage and Handling** • HG100 should be stored in a dry cool place with adequate ventilation and protected from UV-light at temperature below 50°C

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