

POLYPROPYLENE

HG100

Homopolymer polypropylene for injection molding and compound application

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|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------|
| Description | HG100 is a homopolymer polypropylene intended for injection molding and compound application. Product made from this resin exhibits balanced properties of high stiffness and impact strength. | Application | <ul style="list-style-type: none"> · Toys · Container · Houseware · PP Compound |
|--------------------|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------|---------------------------------------------------------------------------------------------------------------------------|

| Physical properties | Typical value | Unit | Test method |
|------------------------------|---------------|---------------------|-------------|
| MFR (230°C/2.16kg) | 11 | g/10min | ASTM D1238 |
| Density | 0.9 | g/cm ³ | ASTM D792A |
| Mechanical properties | | | |
| Tensile strength at yield | 360 | kgf/cm ² | ASTM D638 |
| Flexural modulus | 16,000 | kgf/cm ² | ASTM D790 |
| Flexural strength | 450 | kgf/cm ² | ASTM D790 |
| Izod impact, Notched (23°C) | 2 | kgf.cm/cm | ASTM D256 |
| Rockwell hardness | 105 | R-scale | ASTM D785 |
| Thermal properties | | | |
| Heat deflection (0.45MPa) | 113 | °C | ASTM D648 |

Processing conditions · Injection temperature 190 - 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

Disclaimer

1. The above values are for reference only and shall not be construed as specifications.
2. Before using a S-OIL product, users shall review carefully Seller's instructions for the use of such product and make their own independent determination of whether the product is suitable for the intended use and can be used safely and legally. If users fail to comply with Seller's restrictions and instructions for the use of the product or an obligation to notify Seller, if applicable, of each specific application before using such product in certain categories of application, users are solely liable for any injuries or damages resulting from their use of such product and Seller shall have no liability whatsoever.
3. S-OIL makes no warranty, express or implied (including any warranty of merchantability or fitness for a particular purpose) unless agreed otherwise in a contract.
4. The data contained herein can be changed without notice as a result of the quality improvement of the products.

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