

PP

High flow Impact copolymer for injection molding

▶ BI750

● Description

BI750, Hanwha Total HIPP, is high flow impact copolymer for injection molding application. It exhibits a high rigidity as well as an excellent impact strength due to the ideal combination of highly crystalline homo matrix and the well-designed rubber morphology. This is suitable for the injection molding of large articles which require high melt flowability.

● Characteristics

- ▶ High stiffness & flowability
- ▶ Excellent balance between stiffness & impact strength

● Applications

- ▶ E&E articles, base resin for PP compound (auto & E&E), Housewares

● Physical Properties

| Typical Properties | Method (ASTM) | Unit | BI750 |
|----------------------------|---------------|--------------------|--------|
| Melt flow index | D1238 | g/10min | 28 |
| Density | D1505 | g/cm ³ | 0.91 |
| Tensile strength at yield | D638 | kg/cm ² | 300 |
| Elongation at break | D638 | % | >100 |
| Flexural modulus | D790 | kg/cm ² | 17,000 |
| Izod impact strength 23 °C | D256 | kgcm/ cm | 8 |
| 0 °C | | | 5 |
| -20 °C | | | 4 |
| Rockwell hardness | D785 | R-scale | 90 |
| Heat distortion temp. | D648 | °C | 120 |

* Data shown above are representative values for reference purposes only, and not to be construed as specifications.

* Data performed by or on behalf of Hanwha Total

● **Food Contact Application**

- ▶ Hanwha Total BI750 meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Polymer Technical Service Team.

● **Contacts**

▶ **Product Information & Technical Services**

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