

PP

High flow Impact copolymer

▶ BI961

● Description

BI961, Hanwha Total HIPP, is very high flow impact copolymer manufactured by reactors for injection molding applications. They exhibit 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. They allow the injection molding of large articles which require high melt flowability and complex geometries .

● Characteristics

- ▶ High productivity and reduction in energy and cost
- ▶ Excellent balance between stiffness & impact strength
- ▶ Good heat stability, little volatile materials, and odor-free

● Applications

- ▶ Large E&E articles, base resin for PP compound (automotive)
thin-walled food packaging, housewares

● Physical Properties

| Typical Properties | Method (ASTM) | Unit | BI961 |
|----------------------------|---------------|--------------------|--------|
| Melt flow index | D1238 | g/10min | 60 |
| Density | D1505 | g/cm ³ | 0.91 |
| Tensile strength at yield | D638 | kg/cm ² | 290 |
| Elongation at break | D638 | % | 50 |
| Flexural modulus | D790 | kg/cm ² | 16,500 |
| Izod impact strength 23 °C | D256 | kgcm/ | 7 |
| -20 °C | | cm | 4.5 |
| Rockwell hardness | D785 | R-scale | 85 |
| Heat distortion temp. | D648 | °C | 120 |

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

● **Food Contact Application**

- ▶ Hanwha Total BI961 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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