

# PP

High flow Impact copolymer

## ► BI9600

### ● Description

**BI9600** is very high flow impact copolymer for injection molding applications. It exhibits a high rigidity as well as an excellent impact strength due to the ideal combination of high crystalline matrix and well-designed rubber morphology. They allow the injection molding of large articles which require high flowability & complex geometry. It is produced using non-phthalate catalyst complying with EU REACH regulation.

### ● Characteristics

- Excellent balance between stiffness & impact strength
- Good flowability, 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               | BI9600 |
|----------------------------|---------------|--------------------|--------|
| Melt flow index            | D1238         | g/10min            | 60     |
| Density                    | D1505         | g/cm <sup>3</sup>  | 0.91   |
| Tensile strength at yield  | D638          | kg/cm <sup>2</sup> | 290    |
| Elongation at break        | D638          | %                  | >30    |
| Flexural modulus           | D790          | kg/cm <sup>2</sup> | 15,500 |
| Izod impact strength 23 °C | D256          | kgcm/              | 6.5    |
| -20 °C                     |               | cm                 | 4      |
| Rockwell hardness          | D785          | R-scale            | 90     |
| Heat distortion temp.      | D648          | °C                 | 120    |

Data performed by or on behalf of Hanwha Total



## ● **Food Contact Application**

- ▶ Hanwha Total BI9600 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 Customer Service Team.

## ● **Contacts**

### ▶ **Product Information & Technical Services**

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