

# 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 <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	300
Elongation at break	D638	%	>100
Flexural modulus	D790	kg/cm <sup>2</sup>	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**

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

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