

# PP

Impact copolymer for injection molding

## ► BI710

### ● Description

**BI710**, Hanwha Total HIPP, is 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.

### ● Characteristics

- Good balance of stiffness and impact strength
- Anti-static
- Good processability and productivity

### ● Applications

- Housewares, container, crate box, toys

### ● Physical properties

Typical Properties	Method (ASTM)	Unit	BI710
Melt flow index	D1238	g/10min	20
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	280
Elongation at break	D638	%	< 150
Flexural modulus	D790	kg/cm <sup>2</sup>	14,500
Izod impact strength 23 °C	D256	kgcm/cm	9.0
0 °C			5.5
-20 °C			4.5
Rockwell hardness	D785	R-scale	85
Heat Deflection Temp.	D648	°C	120

\* ASTM IV specimens are used for the evaluation.

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

## ● **Food Contact Application**

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- ▶ Hanwha Total BI710 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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