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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 ³	0.91
Tensile strength at yield	D638	kg/cm ²	280
Elongation at break	D638	%	< 150
Flexural modulus	D790	kg/cm ²	14,500
Izod impact strength 23 °C			9.0
0 °C	D256	kgcm/cm	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**

- ▶ 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**

▶ **Product Information & Technical Services**

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