

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 home 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(ISO)	Unit	BI750
Melt flow index at 230 °C	ISO1133	g/10min	28
Tensile strain at yield	ISO527 50mm/min	%	4
Tensile stress at yield	ISO527 50mm/min	MPa	28
Tensile strain at break	ISO527 50mm/min	%	<100
Flexural modulus	ISO178 2.0mm/min	MPa	1,600
Izod impact strength (notched)	ISO180	KJ/m ²	23 °C
			0 °C
			-20 °C
Charpy Impact strength (notched)	ISO179	KJ/m ²	23 °C
			0 °C
			-20 °C
Heat deflection temperature at 0.45 MPa (HDT/B)	ISO75	°C	105

* ISO 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 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 Customer Service Team.

● **Contacts**

▶ **Product Information & Technical Services**

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