

# PP

High flow Impact copolymer for injection molding

## ▶ BI850

### ● Description

BI850, Hanwha Total HIPP, is high flow impact copolymer for injection molding application. It exhibits a high rigidity as well as 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

- ▶ Large E&E articles, base resin for PP compound (auto & E&E)  
Thin wall injection molding (TWIM) containers, housewares

### ● Physical Properties

Typical Properties	Method(ISO)	Unit	BI850
Melt flow index at 230 °C	ISO1133	g/10min	43
Tensile strain at yield	ISO527 50mm/min	%	4
Tensile stress at yield	ISO527 50mm/min	MPa	27
Tensile strain at break	ISO527 50mm/min	%	<50
Flexural modulus	ISO178 2.0mm/min	MPa	1,400
Izod impact strength (notched)	ISO180	23 °C	6.0
		0 °C	5.0
		-20 °C	4.0
Charpy Impact strength (notched)	ISO179	23 °C	6.0
		0 °C	4.5
		-20 °C	3.5
Heat deflection temperature at 0.45 MPa (HDT/B)	ISO75	°C	95

- \* 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 BI850 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**

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

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