

PP

High Flow Impact copolymer (MI=80)

► BI980

● Description

BI980 is high flow impact copolymer for injection molding applications. BI980 is reactor-made block PP, which exhibits high rigidity as well as excellent impact strength due to the ideal combination of highly crystalline homo matrix and well-designed rubber morphology. They are suitable for the injection molding of large-scale articles and thin products.

● Characteristics

- Excellent balance between stiffness & impact strength
- Long-term heat resistance and high flowability
- Anti-static

● Applications

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

● Physical Properties

Typical Properties	Method(ISO)	Unit	BI980
Melt flow index at 230 °C	ISO1133	g/10min	80
Tensile strain at yield	ISO527 50mm/min	%	3
Tensile stress at yield	ISO527 50mm/min	MPa	29
Tensile strain at break	ISO527 50mm/min	%	<50
Flexural modulus	ISO178 2.0mm/min	MPa	1,650
Izod impact strength 23 °C (notched) 0 °C -20 °C	ISO180	KJ/m ²	4.5 3.5 3.0
Charpy Impact 23 °C strength (notched) 0 °C -20 °C			4.0 3.0 2.5
Heat deflection temperature at 0.45 MPa (HDT/B)	ISO75	°C	100



* 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 BI980 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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