

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 (notched)	ISO180	23 °C	4.5
		0 °C	3.5
		-20 °C	3.0
Charpy Impact strength (notched)	ISO179	23 °C	4.0
		0 °C	3.0
		-20 °C	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**

103, Dokgot 2-ro, Daesan-eup, Seosan-si, Chungcheongnam-do,
Korea, 31900

TEL : 82-41-660-6190 FAX : 82-41-660-6189

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