

# PP

High Flow Impact Copolymer (MI=80)

## ▶ BI990

### ● Description

**BI990** is high flow impact copolymer for injection molding applications. **BI990** 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

### ● 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 (ASTM)	Unit	BI990
Melt flow index	D1238	g/10min	80
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	320
Elongation at break	D638	%	<50
Flexural modulus	D790	kg/cm <sup>2</sup>	17,500
Izod impact strength at 23°C			5
0°C	D256	kgcm/cm	3
-20°C			3
Rockwell hardness	D785	R-scale	90
Heat distortion temp.	D648	°C	120

\* Data shown above are representative values for reference purposes only, and not to be construed as specifications.

\* Data performed by or on behalf of Hanwha Total

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## ● **Food Contact Application**

- ▶ Hanwha Total BI990 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**

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### ▶ **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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