

# 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℃	D256	kgcm/cm	5
0℃			3
-20℃			3
Rockwell hardness	D785	R-scale	90
Heat distortion temp.	D648	℃	120

## ● **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.