





**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

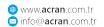
Typical Properties	Method (ASTM)	Unit	B1990
Melt flow index	D1238	g/10min	80
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	320
Elongation at break	D638	%	<50
Flexural modulus	D790	kg/cm <sup>2</sup>	17,500
Izod impact strength at 23 ℃			5
0℃	D256	kgcm/cm	3
-20℃			3
Rockwell hardness	D785	R-scale	90
Heat distortion temp.	D648	$^{\circ}$ C	120

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

<sup>\*</sup> Data performed by or on behalf of Hanwha Total









### 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

#### ► Product Information & Technical Services

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

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