

PP

High Flow Impact copolymer (MI=100)

► BI995

● Description

Hanwha Total HIPP **BI995** is ultra high flow impact PP resin for injection molding applications. **BI995** is reactor-made block PP, which exhibits high rigidity as well as excellent impact strength due to well-designed resin structure. In addition, **BI995** shows better shrinkage property than conventional impact PPs. They are suitable for the injection molding of large-scale articles, base-resin for PP compounds, and thin products.

● Characteristics

- ▶ High Flow Ability: MI > 100, reactor-made product
- ▶ Excellent balance between stiffness & impact strength

● Applications

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

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI995
Melt flow index	D1238	g/10min	100
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	310
Elongation at break	D638	%	< 50
Flexural modulus	D790	kg/cm ²	16,500
Izod impact strength 23 °C	D256	kgcm/cm	4.0
0 °C			3.0
-20 °C			2.5
Rockwell hardness	D785	R-scale	95
Heat distortion temp.	D648	°C	127

* Data shown above are representative values for reference purposes only, and not to be construed as specifications. And ASTM-I standard specimens are used for the evaluation.

● **Food Contact Application**

- ▶ Hanwha Total BI995 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**

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