

# PP

High Flow Impact copolymer

## ► BI800

### ● Description

**BI800** is high flow impact PP resins for injection molding application. This exhibit a high rigidity as well as an excellent impact strength due to the ideal combination of highly crystalline homo matrix and the well-designed rubber morphology. This is suitable for the injection molding of large articles which require high melt flowability.

### ● Characteristics

- ▶ High stiffness & flowability
- ▶ Excellent balance between stiffness & impact strength

### ● Applications

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

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI800
Melt flow index	D1238	g/10min	43
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	280
Elongation at break	D638	%	>100
Flexural modulus	D790	kg/cm <sup>2</sup>	14,500
Izod impact strength at 23°C			7
0°C	D256	kgcm/cm	5
-20°C			4
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	°C	110

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

## ● **Food Contact Application**

- ▶ Hanwha Total BI800 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**

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