

# PP

High flow Impact copolymer for injection molding

## ▶ BI850

### ● Description

**BI850**, Hanwha Total HIPP, is high flow impact copolymer for injection molding application. It exhibits 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	BI850
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>	290
Elongation at break	D638	%	50
Flexural modulus	D790	kg/cm <sup>2</sup>	16,000
Izod impact strength 23 °C	D256	kgcm/ cm	7
0 °C			5
-20 °C			4
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	°C	120

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