

# PP

Flow mark free Block PP

## ▶ BI870

### ● Description

**BI870** is a high flow impact copolymer for injection molding application with excellent processability, stiffness-impact strength balance. It can be used for injection molding for large-size application due to its high flowability and as a base resin for PP composite material that is applicable to automobile exterior & interior parts

### ● Characteristics

- ▶ Excellent processability
- ▶ Improved flow mark (tiger stripe)

### ● Applications

- ▶ Base resin for automobile compound articles: Bumper, instrumental panel, door trim, etc.

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI870
Melt flow index	D1238	g/10min	60
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	315
Elongation at break	D638	%	45
Flexural modulus	D790	kg/cm <sup>2</sup>	17,000
Izod impact strength at 23°C	D256	kgcm/cm	5.0
0°C			4.0
-20°C			3.0
Rockwell hardness	D785	R-scale	96
Heat distortion temp.	D648	°C	128

\* ASTM-IV standard specimens are used for the evaluation.

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

## ● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total BI870 to the food packaging. Thus, the verification on the suitability is necessary.
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Customer Service Team.

## ● **Contacts**

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### ▶ **Product Information & Technical Services**

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