

# PP

High flow Impact copolymer

## ► BI961

### ● Description

**BI961**, Hanwha Total HIPP, is very high flow impact copolymer manufactured by reactors for injection molding applications. They 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. They allow the injection molding of large articles which require high melt flowability and complex geometries.

### ● Characteristics

- ▶ High productivity and reduction in energy and cost
- ▶ Excellent balance between stiffness & impact strength
- ▶ Good heat stability, little volatile materials, and odor-free

### ● Applications

- ▶ Large E&E articles, base resin for PP compound (automotive)  
thin-walled food packaging, housewares

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI961
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>	290
Elongation at break	D638	%	50
Flexural modulus	D790	kg/cm <sup>2</sup>	16,500
Izod impact strength 23 °C	D256	kgcm/	7
-20 °C		cm	4.5
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.

## ● **Food Contact Application**

- ▶ Hanwha Total BI961 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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