

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

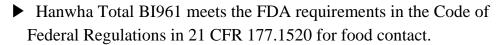
# Physical Properties

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

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# Food Contact Application



In case you might need additional technical or regulatory information
please contact Hanwha Total Polymer Technical Service Team.