

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 ³	0.91
Tensile strength at yield	D638	kg/cm ²	290
Elongation at break	D638	%	50
Flexural modulus	D790	kg/cm ²	16,500
Izod impact strength 23 °C -20 °C	D256	kgcm/ cm	7 4.5
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	°C	120

● **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.