

PP

High flow Impact copolymer

▶ BI9600

● Description

BI9600 is very high flow impact copolymer for injection molding applications. It exhibits a high rigidity as well as an excellent impact strength due to the ideal combination of high crystalline matrix and well-designed rubber morphology. They allow the injection molding of large articles which require high flowability & complex geometry. It is produced using non-phthalate catalyst complying with EU REACH regulation.

● Characteristics

- ▶ Excellent balance between stiffness & impact strength
- ▶ Good flowability, 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	BI9600
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	%	>30
Flexural modulus	D790	kg/cm ²	15,500
Izod impact strength 23 °C	D256	kgcm/	6.5
-20 °C		cm	4
Rockwell hardness	D785	R-scale	90
Heat distortion temp.	D648	°C	120

Data performed by or on behalf of Hanwha Total

● **Food Contact Application**

- ▶ Hanwha Total BI9600 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 Customer Service Team.

● **Contacts**

▶ **Product Information & Technical Services**

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