

PP

Flow mark free Impact copolymer (MI=100)

▶ BI997

● Description

Hanwha Total **BI997** is a high flow impact PP for injection molding application with excellent flowability, flow mark free performance, stiffness-impact strength balance. **BI997** can be used for injection molding for large-size application due to its high flowability and as a base resin for PP compound that is applicable to automobile exterior & interior parts

● Characteristics

- ▶ Excellent flowability: Reactor made MI=100
- ▶ Suppression of flow mark (tiger stripe)

● Applications

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

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI997
Melt flow index	D1238	g/10min	100
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	315
Elongation at break	D638	%	<50
Flexural modulus	D790	kg/cm ²	17,000
Izod impact strength at 23°C			4.5
0°C	D256	kgcm/cm	3.0
-20°C			2.0
Rockwell hardness	D785	R-scale	95
Heat distortion temp.	D648	°C	125

* ASTM-I standard specimens are used for the evaluation.

Data performed by or on behalf of Hanwha Total

● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total BI997 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 Polymer Technical Service Team.

● **Contacts**

▶ **Product Information & Technical Services**

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