

PP

High flow / high stiff Impact copolymer

► BI871

● Description

BI871 is a high flow impact copolymer for injection molding application with excellent processability, stiffness-impact strength balance. It can be used for injection molding for large-size application due to its high flowability and as a base resin for PP composite material that is applicable to automobile exterior & interior parts

● Characteristics

- Excellent processability
- Suppression of flow mark (tiger stripe)

● Applications

- Base resin for automobile compound articles: Bumper, instrumental panel, door trim, etc.

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI871
Melt flow index	D1238	g/10min	60
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	16,500
Izod impact strength at 23℃	D256	kgcm/cm	6.0
0℃			3.5
-20℃			2.5
Rockwell hardness	D785	R-scale	95
Heat distortion temp.	D648	℃	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 BI871 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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