

PP

High flow Impact copolymer for injection molding

► BI850

● Description

BI850, Hanwha Total HIPP, is high flow impact copolymer for injection molding application. It exhibits 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. This is suitable for the injection molding of large articles which require high melt flowability.

● Characteristics

- High stiffness & flowability
- Excellent balance between stiffness & impact strength

● Applications

- Large E&E articles, base resin for PP compound (auto & E&E)
Thin wall injection molding (TWIM) containers, housewares

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI850
Melt flow index	D1238	g/10min	43
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	16,000
Izod impact strength 23 °C	D256	kgcm/cm	7
0 °C			5
-20 °C			4
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	°C	120

● **Food Contact Application**

- ▶ Hanwha Total BI850 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.