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Hanwha | TOTAL

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℃ 0℃ −20℃	D256	kgcm/cm	7 5 4
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	℃	120

** Data shown above are representative values for reference purposes only, and not to be construed as specifications.*

** Data performed by or on behalf of Hanwha Total*

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.

Contacts

- **Product Information & Technical Services**

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