

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

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

● **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 Customer Service Team.

● **Contacts**

▶ **Product Information & Technical Services**

103, Dokgot 2-ro, Daesan-eup, Seosan-si, Chungcheongnam-do,
Korea, 356-711

TEL : 82-41-660-6190 FAX : 82-41-660-6189

Disclaimer

This document is copyright of Hanwha Total petrochemicals Co., Ltd. Any and all information and the values in this document are typical properties for reference, not to be confused with, or regarded as specification. Customers are responsible for determining whether our products and information are suitable for their particular purpose and for ensuring that Customer's location and handling practices are in compliance with laws and regulations. HANWHA TOTAL assumes no obligation or liability for the information in this document. NO EXPRESS WARRANTIES ARE GIVEN EXCEPT FOR ANY APPLICABLE WRITTEN WARRANTIES SPECIFICALLY PROVIDED BY HANWHA TOTAL. ALL IMPLIED WARRANTIES INCLUDING THOSE OF MERCHANTABILITY AND FITNESS FOR A PARTICULAR PURPOSE ARE EXPRESSLY EXCLUDED. HANWHA TOTAL is entitled to alter, change or modify any of the content herein at any time without prior notice, but not under any duty to do so.