

# PP

Impact copolymer for Injection Molding

## ▶ BJ520

### ● Description

**BJ520** is high impact block copolymer for injection moulding applications. Due to optimum rubber design, BJ520 has an excellent property balance between high stiffness and impact strength.

### ● Characteristics

- ▶ Good heat sealing → easily and neatly sealed
- ▶ High stiffness → little deformation under heavy weight
- ▶ High impact strength → not easily broken by high drop
- ▶ Easy part release → high processability, no blushing

### ● Applications

- ▶ Battery case, toys, boxes, electric parts etc

### ● Physical Properties

Typical Properties	Method (ASTM)	Unit	BJ520
Melt flow index	D1238	g/10min	9
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	300
Elongation at break	D638	%	>150
Flexural modulus	D790	kg/cm <sup>2</sup>	13,500
Izod impact strength at 23°C			10.0
0°C	D256	kgcm/cm	6.0
-20°C			5.0
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	°C	110

\* 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**

- ▶ There may be some limitation to apply Hanwah Total BJ520 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 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.