

# 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 Hanwha 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 Polymer Technical Service Team.

## ● **Contacts**

### ▶ **Product Information & Technical Services**

103, Dokgot 2-ro, Daesan-eup, Seosan-si, Chungcheongnam-do,  
Korea, 31900

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