

# 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℃	D256	kgcm/cm	10.0
0℃			6.0
-20℃			5.0
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	℃	110

## ● **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 Polymer Technical Service Team.