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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 ³	0.91
Tensile strength at yield	D638	kg/cm ²	300
Elongation at break	D638	%	>150
Flexural modulus	D790	kg/cm ²	13,500
Izod impact strength at 23°C	D256	kgcm/cm	10.0
0°C			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

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1 / 2



● **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**

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