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Impact copolymer for injection molding

▶ BJ500

● Description

BJ500 is for injection molding application. Hanwha Total impact copolymer shows an easy processability and an excellent stiffness combined with good impact strength & appearance.

● Characteristics

- ▶ Excellent balance between stiffness and impact strength
- ▶ Good appearance (gas mark and void free, high gloss)
- ▶ Good processability and productivity

● Applications

- ▶ E&E parts, battery case, containers, toys

● Physical Properties

| Typical Properties | Method (ASTM) | Unit | BJ500 |
|----------------------------|---------------|--------------------|--------|
| Melt flow index | D1238 | g/10min | 10 |
| Density | D1505 | g/cm ³ | 0.91 |
| Tensile strength at yield | D638 | kg/cm ² | 300 |
| Elongation at break | D638 | % | >300 |
| Flexural modulus | D790 | kg/cm ² | 13,500 |
| Izod impact strength 23 °C | | | 10 |
| 0 °C | D256 | kgcm/cm | 6 |
| -20 °C | | | 5 |
| 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.

● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total BJ500 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** www.cn-plas.com

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