

# PP

RTPO (MI=20)

## ► BI6300

### ● Description

**BI6300**, a reactor-made thermoplastic polyolefin, is a super impact block PP with medium flowability manufactured through proprietary catalyst and process technology of Hanwha Total. BI6300 is the ideal resin for injection, compounding products that require high impact resistance. It is produced using non-phthalate catalyst complying with EU REACH regulation.

### ● Characteristics

- High impact strength: Izod impact NB
- High flowability at injection molding condition
- Reactor-made (No vis-breaking (CR))

### ● Applications

- Compounding base resin for automotive such as bumper fascia
- Housewares, luggage case, etc.

### ● Physical Properties

| Typical Properties                                     | Method(ISO)      | Unit              | BI6300        |
|--------------------------------------------------------|------------------|-------------------|---------------|
| Melt flow index at 230 °C                              | ISO1133          | g/10min           | 20            |
| Tensile strain at yield                                | ISO527 50mm/min  | %                 | 5             |
| Tensile stress at yield                                | ISO527 50mm/min  | MPa               | 20            |
| Tensile strain at break                                | ISO527 50mm/min  | %                 | >100          |
| Flexural modulus                                       | ISO178 2.0mm/min | MPa               | 850           |
| Izod impact strength 23 °C<br>(notched) 0 °C<br>-20 °C | ISO180           | KJ/m <sup>2</sup> | 45<br>10<br>7 |
| Heat deflection temperature<br>at 0.45 MPa (HDT/B)     | ISO75            | °C                | 80            |

Data performed by or on behalf of Hanwha Total



## ● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total BI6300 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.

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