

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 (notched)	ISO180	23 °C	45
		0 °C	10
		-20 °C	7
Heat deflection temperature 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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