

PP

Block copolymer for film application (High haze)

▶ BI303

● Description

BI303 is a propylene-ethylene block copolymer designed for film application. Well designed EP rubber & managing polymerization process to reduce contaminations gives BI303 an extremely low fish-eye level.

● Characteristics

- ▶ Low fish-eye
- ▶ High stiffness : Down-gauging possibility
- ▶ High haze

● Applications

- ▶ Protective films for IT industry, High retort pouch, CPP films

● Film(40 μ m cast film) Properties

	Test Method	Unit	BI303
Haze	ASTM D1003	%	65
Gloss (45°)	ASTM D2457	%	10

* Processing temperature: 230 °C

Data performed by or on behalf of Hanwha Total



● **Physical Properties**

Typical Properties	Method (ASTM)	Unit	BI303
Melt flow index	D1238	g/10min	5
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	290
Elongation at break	D638	%	>500
Flexural modulus	D790	kg/cm ²	14,000
Izod impact strength 23 °C	D256	kgcm/cm	10
Rockwell hardness	D785	R-scale	78
Heat distortion temp.	D648	°C	108

* Data shown above are representative values for reference purposes only, and not to be construed as specifications.

● **Food Contact Application**

- ▶ Hanwha Total BI303 meets the FDA requirements in the Code of Federal Regulations in 21 CFR 177.1520 for food contact.
- ▶ 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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