

# PP

Block copolymer for film application (Medium haze)

## ▶ BI305

### ● Description

BI305 is a propylene-ethylene block copolymer designed for film application. Well designed EP rubber & managing polymerization process to reduce contaminations gives BI305 an extremely low fish-eye level.

### ● Characteristics

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

### ● Applications

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

### ● Film(40 $\mu$ m cast film) Properties

	Test Method	Unit	BI305
Haze	ASTM D1003	%	40
Gloss (45°)	ASTM D2457	%	30

\* Processing temperature: 230 °C

*Data performed by or on behalf of Hanwha Total*



## ● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI305
Melt flow index	D1238	g/10min	5.0
Density	D1505	g/cm <sup>3</sup>	0.91
Tensile strength at yield	D638	kg/cm <sup>2</sup>	310
Elongation at break	D638	%	>500
Flexural modulus	D790	kg/cm <sup>2</sup>	14,500
Izod impact strength 23 °C	D256	kgcm/cm	9
Rockwell hardness	D785	R-scale	80
Heat distortion temp.	D648	°C	109

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

## ● Food Contact Application

- ▶ Hanwha Total BI305 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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