

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 μ m cast film) Properties

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

* Processing temperature: 230 °C

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● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI305
Melt flow index	D1238	g/10min	5.0
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	310
Elongation at break	D638	%	>500
Flexural modulus	D790	kg/cm ²	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** www.cn-plas.com

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