

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

● **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.