

PP

High Heat Resistance Resin for Retort Pouch

► BI300

● Description

BI300 is a high isotactic Block Copolymer which has higher crystallinity, compared to general PP. Due to high crystalline nature & optimum rubber design, BI300 has an excellent property balance between high stiffness and impact strength. Films made from this grade provide high heat resistance and superior mechanical strength, thus this grade is highly suited to retort pouch film application.

● Characteristics

- Good balance physical property between stiffness & impact strength
- Punch resistance
- Heat resistance
- High transparency

● Applications

- Retort pouch, Cast film

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI300
Melt flow index	D1238	g/10min	5
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 at 23℃	D256	kgcm/cm	9
Rockwell hardness	D785	R-scale	80
Heat distortion temp.	D648	℃	109

● **Food Contact Application**

- ▶ Hanwha Total BI300 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.