

PP

High Impact & Stiffness Block PP

► BI320

● Description

BI320 is a high impact & stiffness PP for injection molding application with excellent impact strength and high stiffness. This grade show high falling weight impact at low temperature and good UV stability. It is suitable for crate box, pallet and applications which need the high impact strength/stiffness balance

● Characteristics

- Excellent stiffness/impact balance
- High falling weight impact at low temperature

● Applications

- Pallet, Machine tool box & Crate box

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI320
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	%	400
Flexural modulus	D790	kg/cm ²	13,500
Izod impact strength at 23 °C at -20 °C	D256	kgcm/cm	>40 6
Falling impact strength at 23 °C at -20 °C	Hanwha Total	J	22(Ductile) 21(Ductile)
Heat distortion temp.	D648	°C	115

● **Food Contact Application**

- ▶ To apply Hanwha Total BI320 to the food packaging, the verification on the suitability is necessary.
- ▶ In case you might need additional technical or regulatory information, please contact Hanwha Total Polymer Technical Service Team.