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Impact copolymer for injection molding

► BI521

● Description

BI521 is impact copolymer for injection molding application with good balance of stiffness and impact strength. This grade has anti-static feature and UV stability.

● Characteristics

- Good balance of stiffness and impact strength
- Anti-static property
- UV stability

● Applications

- Container & Crate box

● Physical properties

Typical Properties	Test Method	Unit	BI521
Melt Index	ASTM D1238	g/10min	10
Density	ASTM D1505	g/cm ³	0.91
Tensile Strength at yield	ASTM D638	kg/cm ²	320
Elongation at break		%	200
Flexural Modulus	ASTM D790	kg/cm ²	15,000
IZOD Impact Strength 23 °C 0 °C -20 °C	ASTM D256	kg·cm/cm	10
			6
			5
Rockwell Hardness	ASTM D2240	R scale	90
Heat Distortion Temperature	ASTM D1693	°C	120

● **Food Contact Application**

- ▶ To apply Hanwha Total BI521 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.