

PP

Super Flow Impact copolymer (MI=120)

► BI998

● Description

Hanwha Total HIPP **BI998** is an ultra high flow impact PP resin for injection molding applications. **BI998** is a reactor-made PP, which exhibits high rigidity as well as excellent impact strength due to well-designed resin structure. Superior flowability of **BI998** is of benefit for the injection molding applications which need high flowability, such as large-scale articles, base-resin of PP Auto. compounds, and thin products.

● Characteristics

- Reactor made super flowability : $MI \geq 120$
- Excellent balance between stiffness & impact strength

● Applications

- Base resin for PP Automotive compounds, Large E&E articles, Thin wall injection molding (TWIM) containers.

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI998
Melt flow index	D1238	g/10min	120
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	310
Elongation at break	D638	%	<50
Flexural modulus	D790	kg/cm ²	17,000
Izod impact strength at 23°C	D256	kgcm/cm	4.0
0°C			3.0
-20°C			2.5
Rockwell hardness	D785	R-scale	95
Heat distortion temp.	D648	°C	125

● **Food Contact Application**

- ▶ There may be some limitation to apply Hanwha Total BI998 to the food packaging. Thus, 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.