PP

High flow Impact copolymer

▶BI961

● Description

BI961, Hanwha Total HIPP, is very high flow impact copolymer manufactured by reactors for injection molding applications. They exhibit a high rigidity as well as an excellent impact strength due to the ideal combination of highly crystalline homo matrix and the well-designed rubber morphology. They allow the injection molding of large articles which require high melt flowability and complex geometries .

● Characteristics

- ▶ High productivity and reduction in energy and cost
- ▶ Excellent balance between stiffness & impact strength
- ▶ Good heat stability, little volatile materials, and odor-free

● Applications

- ▶ Large E&E articles, base resin for PP compound (automotive) thin-walled food packaging, housewares

● Physical Properties

Typical Properties	Method (ASTM)	Unit	BI961
Melt flow index	D1238	g/10min	60
Density	D1505	g/cm^3	0.91
Tensile strength at yield	D638	kg/cm^2	290
Elongation at break	D638	%	50
Flexural modulus	D790	kg/cm^2	16,500
Izod impact strength 23℃ −20℃	D256	kgcm/cm	7 4.5
Rockwell hardness	D785	R-scale	85
Heat distortion temp.	D648	℃	120

** Data shown above are representative values for reference purposes only, and not to be construed as specifications.*

** Data performed by or on behalf of Hanwha Total*