

PP

High Gloss Copolymer (MI=10)

► **BU510**

● **Description**

BU510 is an impact copolymer suitable for injection molding applications. It exhibits excellent gloss and mechanical properties. BU510 is manufactured using 'Hanwha Total PP Plus' technology.

● **Characteristics**

BU510 is specially designed for high gloss property. It shows similar gloss level with ABS. The grade has a high stiffness combined with good impact resistance. Scratch resistance and stress whitening resistance are much improved compared with general PP. Processability is excellent due to very broad molecular weight distribution.

● **Applications**

► Home appliance housing, V/C part, W/M part etc

● **Physical Properties**

Typical Properties	Method (ASTM)	Unit	BU510
Melt flow index	D1238	g/10min	10
Density	D1505	g/cm ³	0.91
Tensile strength at yield	D638	kg/cm ²	400
Elongation at break	D638	%	200
Flexural modulus	D790	kg/cm ²	18,500
Izod impact strength at 23℃ -20℃	D256	kgcm/cm	9 3
Rockwell hardness	D785	R-scale	98
Heat distortion temp.	D648	℃	130
Gloss (60°)	D2457	%	88

● **Food Contact Application**

- ▶ Hanwha Total BU510 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.