

## Technical Data Sheet ( ISO )

### ABS(Acrylonitrile Butadiene Styrene)

### ABS 750HC

<b>Features</b>	General easy flow, medium impact strength
<b>Applications</b>	Electronics, Household appliances, Miscellaneous goods

Physical	Test Method	Value
Specific gravity	ISO 1183	1.04
Melt Flow Index (220°C, 10kg)	ISO 1133	30 g/10min
Water absorption	ISO 62	- %
Mold Shrinkage	ISO 294-4	0.5 ~ 0.8 %

Mechanical	Test Method	Value
Tensile Strength(at yield)	ISO 527	46 MPa
Elongation(at break)	ISO 527	25 %
Flexural Strength	ISO 178	69 MPa
Flexural Modulus	ISO 178	2,350 MPa
Izod Impact Strength(23°C)	ISO 180/1A	19 kJ/m <sup>2</sup>
Charpy Impact Strength(23°C)	ISO 179/1eA	20 kJ/m <sup>2</sup>
Rockwell Hardness(R scale)	ISO 2039-2	108

Thermal	Test Method	Value
Heat Deflection Temperature(1.8Mpa, Unannealed)	ISO 75-2	80 °C
Heat Deflection Temperature(0.45Mpa, Unannealed)	ISO 75-2	91 °C
Vicat Softening Temperature(B50)	ISO 306	95 °C

Flammability	Test Method	Value
Flame Rating - UL (1.6mm)	UL 94	HB

#### Notes

These are just typical properties, not specifications. Users should confirm results by their own test.