

Technical Data Sheet (ASTM)

**ABS(Acrylonitrile Butadiene Styrene)
HU601**

Features

Odorless, Heat resistance

Applications

Automobile parts demanding for heat resistance and odorless

Physical	Test Method	Value
Density	ASTM D792	1.05 g/cm ³
Melt Flow Index (220°C, 10kg)	ASTM D1238	6 g/10min
Melt Flow Index (200°C, 21.6kg)	ASTM D1238	9 g/10min
Mold Shrinkage	ASTM D955	0.5 ~ 0.8 %
Water absorption	ASTM D570	- %
Mechanical	Test Method	Value
Tensile Strength	ASTM D638	500 kgf/cm ² (7,000) (psi)
Elongation	ASTM D638	20 %
Flexural Strength	ASTM D790	650 kgf/cm ² (9,100) (psi)
Flexural Modulus	ASTM D790	21,000 kgf/cm ² (298,200) (psi)
Izod Impact Strength(3.2mm, 23°C)	ASTM D256	24 kgf-cm/cm (4.4) (ft-lb/in)
Izod Impact Strength(6.4mm, 23°C)	ASTM D256	18 kgf-cm/cm (3.3) (ft-lb/in)
Rockwell Hardness(R scale)	ASTM D785	108
Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ASTM D648	100 °C (212) (°F)
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	110 °C (230) (°F)
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.