

Technical Data Sheet (ASTM)

ABS(Acrylonitrile Butadiene Styrene)

HU650

Features	Super heat resistance
Applications	Automobile parts, Mirror housing, Radiator grills, Rear lamp housings

Physical	Test Method	Value
Density	ASTM D792	1.04 g/cm ³
Melt Flow Index (220°C, 10kg)	ASTM D1238	4 g/10min
Melt Flow Index (200°C, 21.6kg)	ASTM D1238	6 g/10min
Mold Shrinkage	ASTM D955	0.5 ~ 0.8 %
Water absorption	ASTM D570	- %
Mechanical	Test Method	Value
Tensile Strength	ASTM D638	485 kgf/cm ² (6,760) (psi)
Elongation	ASTM D638	15 %
Flexural Strength	ASTM D790	690 kgf/cm ² (9,660) (psi)
Flexural Modulus	ASTM D790	22,500 kgf/cm ² (319,500) (psi)
Izod Impact Strength(3.2mm, 23°C)	ASTM D256	20 kgf-cm/cm (3.7) (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	104 °C (219) (°F)
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	114 °C (237) (°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.