

Technical Data Sheet (ASTM)

ABS(Acrylonitrile Butadiene Styrene)
HU651

Features

Odorless, High 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	5.5 g/10min
Melt Flow Index (200°C, 21.6kg)	ASTM D1238	7.5 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 (6,790) (psi)
Elongation	ASTM D638	20 %
Flexural Strength	ASTM D790	640 kgf/cm ² (8,960) (psi)
Flexural Modulus	ASTM D790	20,500 kgf/cm ² (291,000) (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	15 kgf-cm/cm (2.8) (ft-lb/in)
Rockwell Hardness(R scale)	ASTM D785	105
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.