

Technical Data Sheet (ASTM)

ABS(Acrylonitrile Butadiene Styrene) H2938

Features

Heat resistance

Applications

Automobile parts, Mirror housing, Radiator grills, Rear lamp housings

Physical	Test Method	Value
Density	ASTM D792	1.06 g/cm ³
Melt Flow Index (200°C, 21.6kg)	ASTM D1238	15 g/10min
Water absorption	ASTM D570	- %
Mold Shrinkage	ASTM D955	0.5 ~ 0.8 %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	48 MPa
Elongation	ASTM D638	25 %
Flexural Strength	ASTM D790	65 MPa
Flexural Modulus	ASTM D790	2,210 MPa
Izod Impact Strength(3.2mm, 23°C)	ASTM D256	210 J/m
Izod Impact Strength(6.4mm, 23°C)	ASTM D256	180 J/m
Rockwell Hardness(R scale)	ASTM D785	110

Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ASTM D648	96 °C
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	116 °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.