

Technical Data Sheet (ISO)

ABS(Acrylonitrile Butadiene Styrene) H2938L

Features Heat resistance, painting use
Applications Automobile parts, Mirror housing, Radiator grills, Rear lamp housings

Physical	Test Method	Value
Specific gravity	ISO 1183	1.05
Melt Flow Index (200°C, 21.6kg)	ISO 1133	20 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	45 MPa
Tensile Modulus	ISO 527	1920 MPa
Flexural Strength	ISO 178	70 MPa
Flexural Modulus	ISO 178	2,350 MPa
Charpy Impact Strength(23°C)	ISO 180/1A	20 kJ/m ²
Izod Impact Strength(23°C)	ISO 179/1eA	21 kJ/m ²
Rockwell Hardness(R scale)	ISO 2039-2	110

Thermal	Test Method	Value
Heat Deflection Temperature(1.8MPa, Unannealed)	ISO 75-2	81 °C
Heat Deflection Temperature(0.45MPa, Unannealed)	ISO 75-2	91 °C
Vicat Softening Temperature(B50)	ISO 306	98 °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.