



Technical Data Sheet (ISO)

ABS(Acrylonitrile Butadiene Styrene)

PerformanceABS

Features Low warping, Easy flow, Medium-High impact strength, Dimensional stability
Characteristics High heat resistance, Extreme ease of support removability

Physical	Test Method	Value
Specific gravity	ISO 1183	1.05 g/cm ³
Water absorption	ISO 62	0.2 - 0.5 %
Mold Shrinkage	ISO 294-4	0.4 ~ 0.7 %

Mechanical	Test Method	Value
Tensile Strength(at yield)	ISO 527	43 Mpa
Elongation(at break)	ISO 527	40 %
Flexural Strength	ISO 178	70 MPa
Flexural Modulus	ISO 178	2,100 Mpa
Izod Impact Strength(23°C)	ISO 180/1A	19 KJ/m ²
Charpy Impact Strength(23°C)	ISO 179/1eA	no break
Rockwell Hardness(R scale)	ISO 2039-2	109

Thermal	Test Method	Value
Heat Deflection Temperature(1.8Mpa, Annealed)	ISO 75-2	100 °C
Heat Deflection Temperature(0.45Mpa, Under Load)	ISO 75-2	104°C
Vicat Softening Temperature(B50)	ISO 306	102°C

Flammability	Test Method	Value
Flame Rating - UL (1.6mm)	ISO 1210	HB

Notes

These are just typical properties, not specifications.