

Technical Data Sheet (ISO)

ABS(Acrylonitrile Butadiene Styrene)

ABS 750SW

Features

Super white, Easy flow, Medium impact strength

Applications

Electronics, Household appliances, Miscellaneous goods

Physical	Test Method	Value
Specific gravity	ISO 1183	1.04
Melt Flow Index (220°C, 10kg)	ISO 1133	38 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	46 MPa
Elongation(at break)	ISO 527	20 %
Flexural Strength	ISO 178	73 MPa
Flexural Modulus	ISO 178	2,500 MPa
Izod Impact Strength(23°C)	ISO 180/1A	21 kJ/m ²
Charpy Impact Strength(23°C)	ISO 179/1eA	22 kJ/m ²
Rockwell Hardness(R scale)	ISO 2039-2	109

Thermal	Test Method	Value
Heat Deflection Temperature(1.8Mpa, Unannealed)	ISO 75-2	80 °C
Heat Deflection Temperature(0.45Mpa, Unannealed)	ISO 75-2	91 °C
Vicat Softening Temperature(B50)	ISO 306	95 °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.