

Technical Data Sheet (ISO)

ABS(Acrylonitrile Butadiene Styrene)

ABS 720R

Features	High rigidity
Applications	Automobile batteries

Physical	Test Method	Value
Specific gravity	ISO 1183	1.04
Melt Flow Index (220°C, 10kg)	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	50 Mpa
Elongation(at break)	ISO 527	17 %
Flexural Strength	ISO 178	74 MPa
Flexural Modulus	ISO 178	2,500 Mpa
Izod Impact Strength(23°C)	ISO 180/1A	15 KJ/m ²
Charpy Impact Strength(23°C)	ISO 179/1eA	16 KJ/m ²
Rockwell Hardness(R scale)	ISO 2039-2	113

Thermal	Test Method	Value
Heat Deflection Temperature(1.8Mpa, Unannealed)	ISO 75-2	84 °C
Heat Deflection Temperature(0.45Mpa, Unannealed)	ISO 75-2	95 °C
Vicat Softening Temperature(B50)	ISO 306	99 °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.