

Technical Data Sheet (ASTM)

ABS(Acrylonitrile Butadiene Styrene) BM-510

Features Blow molding, High heat resistance
Applications Automobile rear spoiler

Physical	Test Method	Value
Density	ASTM D792	1.04 g/cm ³
Melt Flow Index (200°C, 21.6kg)	ASTM D1238	5.5 g/10min
Water absorption	ASTM D570	- %
Mold Shrinkage	ASTM D955	0.5 ~ 0.8 %

Mechanical	Test Method	Value
Tensile Strength	ASTM D638	45 MPa
Elongation	ASTM D638	30 %
Flexural Strength	ASTM D790	61 MPa
Flexural Modulus	ASTM D790	1,930 MPa
Izod Impact Strength(6.4mm, 23°C)	ASTM D256	230 J/m
Izod Impact Strength(6.4mm, -30°C)	ASTM D256	75 J/m
Rockwell Hardness(R scale)	ASTM D785	102

Thermal	Test Method	Value
Heat Deflection Temperature(1.8MPa, Unannealed)	ASTM D648	92 °C
Vicat Softening Temperature(B50)	ASTM D1525	104 °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.