

Technical Data Sheet (ASTM)

ABS(Acrylonitrile Butadiene Styrene) ABS EF780 G3

Features General easy flow, medium impact strength
Applications Electronics, Household appliances, Miscellaneous goods

Physical	Test Method	Value
Density	ASTM D792	1.04 g/cm ³
Melt Flow Index (220°C, 10kg)	ASTM D1238	50 g/10min
Mold Shrinkage	ASTM D955	0.5 ~ 0.8 %
Water absorption	ASTM D570	- %
Mechanical	Test Method	Value
Tensile Strength	ASTM D638	470 kgf/cm ²
Elongation	ASTM D638	20 %
Flexural Strength	ASTM D790	600 kgf/cm ²
Flexural Modulus	ASTM D790	22,000 kgf/cm ²
Izod Impact Strength(3.2mm, 23°C)	ASTM D256	18 kgf·cm/cm
Izod Impact Strength(6.4mm, 23°C)	ASTM D256	15 kgf·cm/cm
Rockwell Hardness(R scale)	ASTM D785	107
Thermal	Test Method	Value
Heat Deflection Temperature(18.6kgf/cm ²)	ASTM D648	85 °C
Vicat Softening Temperature(5kg, 50°C/h)	ASTM D1525	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.