

Technical Data Sheet

ABS-50

Acrylonitrile Butadiene Styrene

Characteristic: Medium Impact resistance, High Flow

Applications: Office equipment, home appliances, Automobile parts

Properties	Test method (ASTM)	Test condition	Units	Value
Izod impact	D-256	6.4 mm , notched	Ki/m ²	20
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	33
Rock well hardness	D-785	R-scale	Rockwell	108
HDT	D-648	0.45 MPa	°c	88
Vic at softening Temp	D-1525	10 N	°c	95
Tensile strength	D-638	23°C , 50 mm/min	Kg/cm ²	430
Tensile elongation	D-638	23°C , 50 mm/min	%	14
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm ²	620
Flexural Modulus	D-790	23°C , 2.8 mm/min	Kg/cm ²	19500
Specific Gravity	D-792	23°C	g/cm ³	1.04
Molding Shrinkage	D-955	...	%	0.4-0.7
Flammability	UI94	1/8 inch(3.2mm)	...	HB