

Technical Data Sheet

ABS-40

Acrylonitrile Butadiene Styrene

Characteristic: High Impact Resistance

Application: Home appliances, Helmet, Automobile parts, Shoe heel

Properties	Test method (ASTM)	Test condition	Units	Value
Izod impact	D-256	6.4 mm , notched	Ki/m ²	28
Melt flow index	D-1238	220°C , 10 kg	gr/10 min	22
Rock well hardness	D-785	R-scale	Rockwell	98
HDT	D-648	0.45 MPa	°c	84
Vic at softening Temp	D-1525	10 N	°c	92
Tensile strength	D-638	23°C , 50 mm/min	Kg/cm ²	350
Tensile elongation	D-638	23°C , 50 mm/min	%	20
Flexural strength	D-790	23°C , 2.8 mm/min	Kg/cm ²	450
Flexural Modulus	D-790	23°C , 2.8 mm/min	Kg/cm ²	16000
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