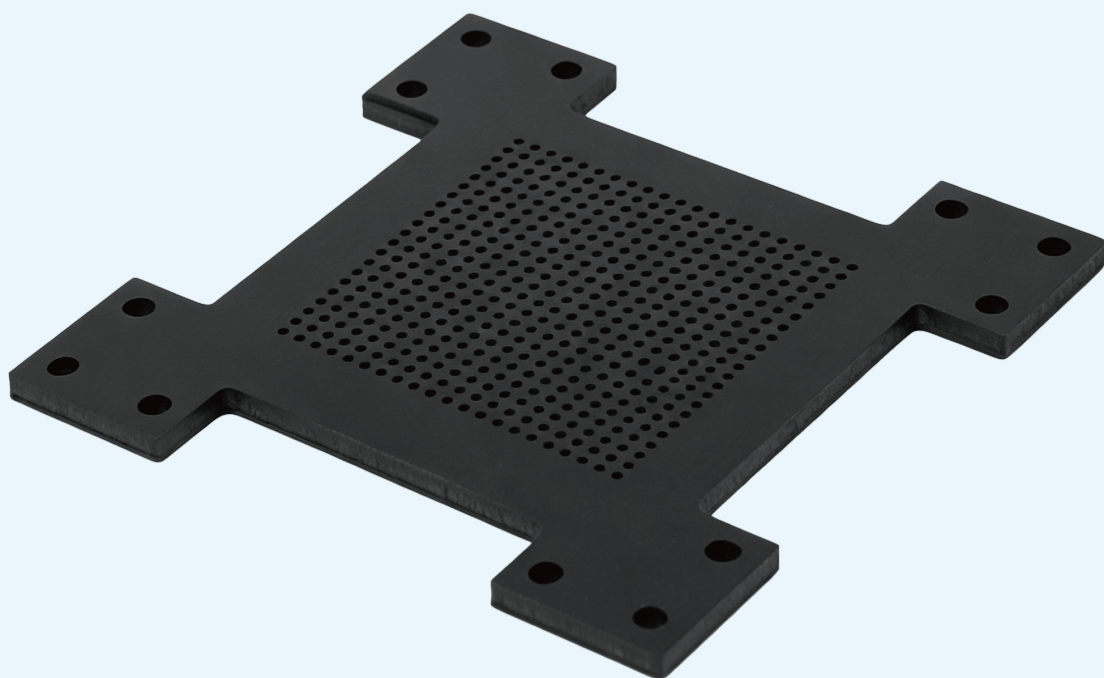
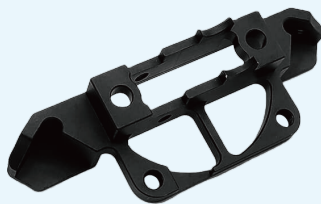
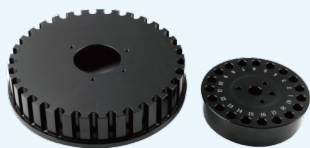




ABS

Technical Data



◆ Material Overview

ABS sheet has excellent impact resistance, heat resistance, low temperature resistance, chemical resistance and electrical properties. It is a very versatile thermoplastic material for secondary processing such as metal spraying, electroplating, welding, hot pressing and bonding. The operating temperature is -20°C – 100° .

◆ Advantage

- > Excellent impact resistance
- > Heat resistance and low temperature resistance
- > Chemical resistance and electrical properties
- > Easy processing, dimensional stability

◆ Ideal Applications

- > Prototype models
- > Mechanical parts
- > Automobiles
- > Electronic appliances
- > Instrumentation
- > Chemical equipment
- > Aviation
- > Medical

◆ Technical Datasheet

Items	Standard		
Density	ASTMD792	g/cm^3	1.05
Tensile strength at yield	ASTM D638	Mpa	50
Elongation at break	ASTM D638	%	40
Bending strength	ASTM 790	Mpa	60
Flexural modulus	ASTM 790	Mpa	1800
Shore Hardness	ASTM D2240	D	80
Impact strength	ASTM D256	J/M	200
Melting point	DSC	$^{\circ}\text{C}$	150
Heat distortion temperature	ASTM D648	$^{\circ}\text{C}$	80
Long-term operating temperature	/	$^{\circ}\text{C}$	75
Short-term operating temperature	/	$^{\circ}\text{C}$	100
Thermal conductivity	DIN 52612-1	$\text{W}/(\text{K-M})$	0.17

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