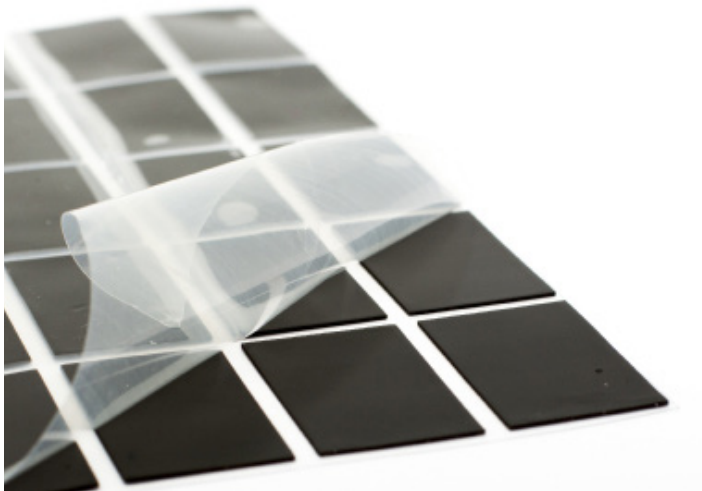


## AP0 1.0 - THERMAL ACRYLIC PAD

Data Sheet DS\_101 1/1



### DESCRIPTION

Acrylic pads offer several advantages, including high thermal conductivity, excellent electrical insulation, and resistance to chemicals, moisture, and UV radiation. They are flexible, conformable, and can be easily cut to size, making them ideal for a wide range of applications such as thermal management, electronic insulation, and gasketing.

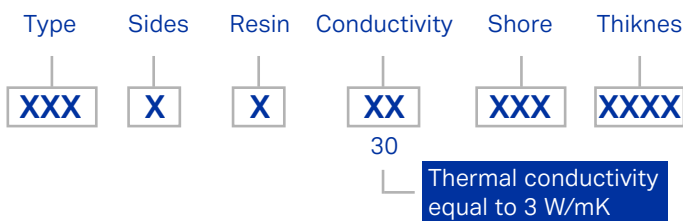
Acrylic pads provide a reliable and cost-effective solution for improving heat dissipation and reducing the risk of overheating in electronic devices. They are also environmentally friendly and have a long lifespan, making them a sustainable choice for various industries. Acrylic pads are used where the silicon is forbidden due to cross contamination.



RoHS 3 / REACH  
Last updated compliance directive



### PART NUMBER:



### TYPICAL APPLICATIONS:

- Power battery packs
- Vehicle navigator
- Optical precision equipment
- Automotive engine control equipment
- High end industrial control and medical electronics

Properties	UNITS	AP01A1040500	TEST METHOD
Color	-	White	Visual
Thickness	mm	0.25-5.0	ASTM D374
Specific Gravity	g/cc	1.6	ASTM D792
Thermal conductivity	W / mK	1.0	ASTM D5470
Hardness	Shore 00	45/90	ASTM D2240
Elongation	%	250	ASTM D412
Tensile Strength	psi	75	ASTM D412
Electrical Strength	VAC/mil	>200	ASTM D149
UL Flammability Rating	-	UL94 V-0	E355606
Volume resistivity	$\Omega \cdot \text{cm}$	$10^{13}$	ASTM D257
Operating temperature	$^{\circ}\text{C}$	-40/120	-
Thermal resistance (1mm,@40psi)	$^{\circ}\text{C} \cdot \text{in}^2/\text{W}$	1.10	ASTM D5470
Compression ratio (1mm,@40psi)	-	30%	-
RoHS (10)	-	PASS	IEC 62321
Halogen (4)	-	PASS	EN 14582
REACH (191)	-	PASS	EN 14732

### STORAGE CONDITIONS

Store in a ventilated, cool and dry place, do not touch open flames. This product is nontoxic and is stored and transported as non-dangerous goods.