

Perfect Insulations

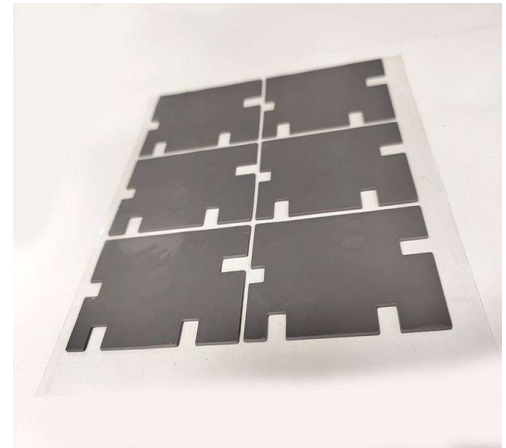
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CP600 Thermal Silicone Pad

Thermal conductive silicone pad has certain flexibility, excellent insulation, compressibility and natural viscosity on the surface. It is specially produced for the design scheme of using the gap to transmit heat. It can fill the gap and complete the heat transfer between the heating part and the heat dissipation part. At the same time, it also plays the role of insulation and shock absorption. It is of great manufacturability and usability, and has a wide range of thickness application, which can meet the design requirements of equipment miniaturization and, it is an excellent heat conduction filling material and is widely used in electronic and electrical products.

Product Features

- Easy manual operation
- The same heat sink can be used for heating devices with different heights
- Low-cost thermal design solution
- Natural viscosity, clean surface, can be repeatedly disassembled and used
- Applicable to automation equipment
- High thermal conductivity, good insulation



Technical Data Sheet

Test Item	Unit	Standard	Test Method
Color	/	dark gray	Visual
Thickness	mm	0.3~18mm	/
Specific gravity	g/cm ³	3.3±0.1	ASTM D792
Hardness	Shore C	30~50	ASTM D2240
Tensile Strength	MPa	≥0.10	ASTM D412
Compression rate	%	20~30	ASTM D412
Temperature resistance range	°C	-40~+150	EN 344
Volume resistance	Ω·m	≥1.0*10 ¹³	ASTM D257
Withstand voltage	KV/mm	≥6	ASTM D149
Flame retardant rating	/	V-0	UL 94
Thermal conductivity	w/m.k	6.0±0.6	ASTM D5470

Oil penetration rate	%	≤1.0	ASTM G120
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Product Application

- LED lighting
- Backlight module
- Switching power supply
- Medical equipment
- Communication equipment
- LED TV
- Mobile device
- Video equipment
- 5G network products
- Home appliances
- PC server/workstation ● Base station



Remark:

If the thickness is less than 0.5mm, it must be filled with glass fiber and the hardness should be more than Shore C 30.

Recommended storage temperature: 15℃~30℃, humidity <70%, shelf life 5 years

