

Perfect Insulations

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SC Insulating Silicone Tape

SC insulating silicone rubber cloth is a cloth-like product made of silica gel, glass fiber, insulating film or polyester film through a special process. Because of its excellent thermal conductivity, insulation and easy assembly, it is widely used in electronic and electrical industries. When in use, according to the size of the heating interface and the height of the gap, the heat-conducting silicone rubber cloth with different thicknesses is selected to be cut and placed in the gap between the heating interface and the assembly thereof to play the role of a heat-conducting medium.

Product features

- Very strong electrical insulation capability
- Soft, easy to use, clean, more durable than mica
- Silicone grease is avoided and costs less than ceramic
- Increased resistance to puncture and tear

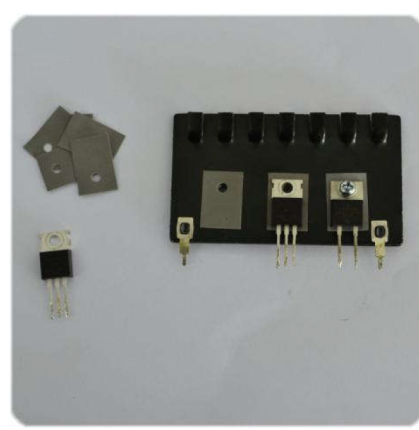
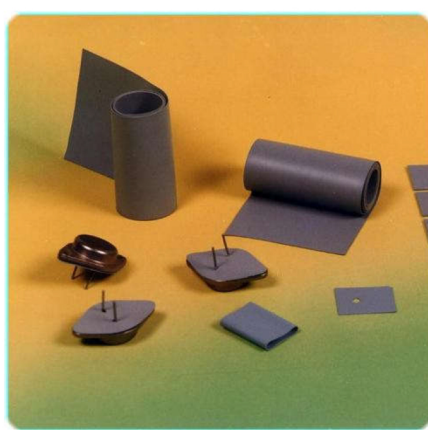


Table of technical parameters

Test item	Test method	Unit	Test value			
			SC-23	SC-30	SC-45	SC-80
Color	Visual		Pink, grey	Grey, Pink, Blue	Ash	Ash
Thickness	ASTM D374	mm	0.23±0.03	0.3±0.03	0.45±0.03	0.8±0.03
Specific gravity	ASTM D792	g/cm3	1.7±0.1			
Hardness	ASTM D2240	Shore A	85±5			
Tensile strength	ASTM D412	kg/cm2	>180			
	ASTM D412	pa	1.8*10 ¹¹			
Temperature resistance range	EN344	°C	-50~200			
Elongation	ASTM D412	%	3~8			
Withstand voltage	ASTM D149	KV	≥3.0	≥4.0	≥5.0	≥8.0
Flame retardancy	UL-94		V-0			
Thermal conductivity	ASTM D5470	w/m-k	1.0			