



**Kheat™ SP-Silica gel heating plate** is a heating material developed and produce independently by Ziitek company. The silica gel plate has excellent weather and aging resistance. As a insulation material on heating plate, it can enhance the mechanical strength and effectively prevent surface cracking, greatly extend the service life of the products. The epoxy plate can be customized according the design requirements.

## Features

- 》 Thickness of resistor: 0.03-0.1mmT, Thickness of silica gel heating plate :0.5-2mmT
- 》 Silica gel heating plate can help good contacting between heating elements and heated products with excellent physical strength and soft properties.
- 》 The product is made of two silica gel heating sheet and resistor laminated by high temperature, so it can be made to various shape, holes can be reserved also for easier installation
- 》 Can be customized according to shape, size, power and voltage
- 》 Silica gel heating plate has good chemical corrosion resistance and can be used in humid, corrosive gases and other terrible enviroments
- 》 Can be easily integrated with thin insulation materials, provide lightweight electric heating elements with insulation layer.
- 》 Can do adhesive on one side for convenient installation
- 》 RoHS,CE,UL compliant

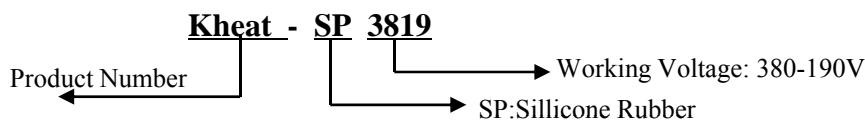
## Applications

- 》 New energy industry(battery)
- 》 Communication security industry
- 》 Video camera, hard disk video recorder
- 》 Power industry, military aerospace
- 》 All kinds of electronic products need to be heated
- 》 Medical equipment, precision instruments and equipment

### Physical and electrical properties of Kheat™ SP silica gel heating plate

Operating Voltage	1-380V AC/DC	Continuous Use Temp	200℃ ( it depends on temperature stability of the adhesive if customer needs adhesive )
Dielectric Breakdown Voltage	≥2500VAC/MIN	Continuous Use Temp	-50~200℃
Insulation Resistance	≥100MΩ	Thickness	1.1-2.0mm (2.0-5mm customizable)
Recommended Power Density	0.1-0.6W/cm <sup>2</sup>	Mechanical Compression Strength	100KG/ cm <sup>2</sup>
Max Power Density	2.0W/ cm <sup>2</sup>	Pull Force of Guide Line	≥80N
Service Life	8~15 years	Pull Force of Sordering Point	≥20N

## Product Identification:



If you want to know our thermal Products,you can visit our website : <http://www.ziitek.com>

Gap Fillers | Pouring sealant | Silicon tape | Thermally Conductive paste | Flake graphite | Thermally Conductive Insulators | Ceramic heat sinks  
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