

## SILICONE HEATING ELEMENT

### Construction

A Silicone heating element consists of an etched or wire wound resistive element laminated between two layers of silicone rubber. By vulcanising both layers we achieve a high mechanical stability of the flexible and light weight Silicone heating element.

The heater therefore is water and chemical resistant, which qualifies especially for rough environmental conditions.

### Technical specifications

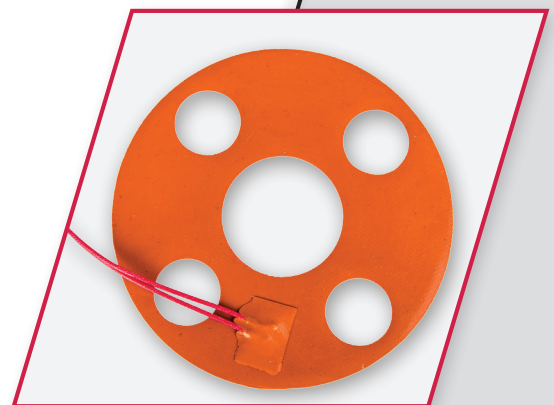
	Silicone heating element
<b>voltage range</b>	up to 1000V AC/DC 1- or 3-phase
<b>max. watt density (controlled)</b>	9,0W/cm <sup>2</sup>
<b>watt tolerance</b>	±10%
<b>min. dielectric strength</b>	12kV
<b>max. size</b>	1200x3000mm
<b>min. size</b>	20x50mm
<b>min. thickness</b>	1,0mm
<b>max. continuous operating temp.</b>	230°C
<b>min. ambient temperature</b>	-50°C
<b>connection options</b>	cables, thermostats, thermal fuses, sensors, safety temperature limiters
<b>sealing (connection point)</b>	silicone
<b>RoHS compliant</b>	yes
<b>protection class</b>	IP X7

### Features

- high temperature range
- homogeneous temperature distribution
- high mechanical stability
- customer-specific design & configuration
- water and chemical resistance
- high watt density

### Applications

- (rough) outdoor implementations
- high temperature applications
- mechanical engineering
- food service & catering equipment



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