

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

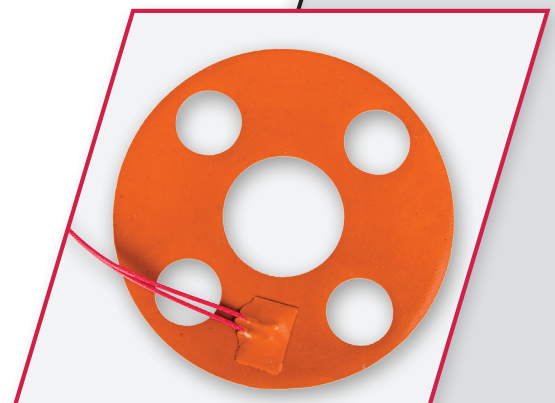
	Silicone heating element
voltage range	up to 1000V AC/DC 1- or 3-phase
max. watt density (controlled)	9,0W/cm ²
watt tolerance	±10%
min. dielectric strength	12kV
max. size	1200x3000mm
min. size	20x50mm
min. thickness	1,0mm
max. continuous operating temp.	230°C
min. ambient temperature	-50°C
connection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