



Preformed Silicone Rubber Heaters and Assemblies



Preformed Silicone Rubber Heaters and Assemblies - Description

NPH silicone heaters are suitable for applications where precise and intimate heating is required. Being thin and lightweight, **silicone rubber heater mats** have a low thermal mass and hence have rapid heat up characteristics and fast response to temperature control. Silicone's wide operating temperature range of -60 to $+230^{\circ}\text{C}$ and superb electrical properties give it a distinct advantage over other forms of heating.

In applications where a **silicone rubber heater** is required to fit small diameter pipe-work, a more precise fit can be obtained by using the **pre-formed silicone rubber heaters** option. NPH can form and vulcanize silicone heaters to fit full or partial circumference of any pipe diameter. These heaters can be supplied with separate straps for mounting or can be permanently installed using room temperature vulcanizing silicone adhesive or self adhesive systems.

NPH can provide a factory fitting service for assembly of **silicone rubber heaters** to customer components using vulcanization or self adhesive methods. We have many years experience of fitting to complicated pipe-work, plates, tanks and many other forms. Providing the full design

service NPH can manufacture virtually any shape and size heater coupled with short delivery times of 3-5 days. From prototype to production, spares and problem solving, National Plastic Heater can cover the full spectrum.

THERMAL OR TEMPERATURE CONTROL FOR SILICONE RUBBER HEATERS: NPH silicone rubber heaters can be supplied with factory fitted sensors and switches to suit all types of instrumentation. Available from stock are PT100's, J, K and T type thermocouples, bi-metal thermostats and thermal fuses. We also fit customer specified thermistors and other resistance temperature devices as well as extruded pockets for customers to fit their own sensors. Separate mechanical or digital thermostats can be supplied for process control.

Silicone rubber heaters are extremely versatile and operate efficiently in many environments. Some distinct advantages of **silicone rubber and kapton heaters** are:

- Moisture resistance,
- Oil and solvent resistance,
- Chemical resistance,
- Outdoor exposure ,
- Extremely thin profiles,
- Conform to almost any shape.

All **silicone rubber heaters** are built to order, but rush delivery (3-5 days) is available. In most cases, NPH can deliver custom **silicone rubber heaters** within 10-14 days. All NPH flexible heaters are available with custom design modification. Custom designs are welcome. Please contact us with your requirements.



www.kapton-silicone-flexible-heaters.com

Toll Free: 1-877-674-9744 (Canada & USA)

Preformed Silicone Insulated Heaters Features and Benefits:

- Custom Design
- Etch Foil and Wire Wound Technology
- Flexible and Lightweight
- Moisture and Chemical Resistant
- High Power Densities
- Wide Temperature Range
-60 to +230°C
- UL and VDE Approval Available
- Full Design and Manufacturing Service
- 3-5 Day Delivery
- UL and VDE approved manufacturing facilities



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