



Silicone Rubber Flexible Heaters-Accessories...

Full selection of control options & temperature sensors, silicone insulation foam and silicone rubber heater sensor pockets

Inquiries & Technical Support 1-877-674-9744



sales@nphheaters.com

Silicone Rubber Heaters-Accessories



Full Selection of Control Options



Temperature Sensors



Silicone Insulation Foam



Silicone Rubber Heater Sensor Pockets

SILICONE RUBBER HEATERS – ACCESSORIES

Temperature Sensors and Switches for Silicone Rubber Heaters

NPH silicone 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.

Specialist Materials and Approvals

As well as the large variety of stocked silicone materials available, NPH can manufacture heaters in specialist silicones to customer requirement such as colour, thickness and Low Smoke/Low Toxicity. We are certified to manufacture silicone heater mats with UL, CSA or VDE approval, which simplifies full approval for the finished assembly.

Supply Cable and Connectors

NPH standard termination is via single leads or multi-core silicone cables. These can be terminated with connectors by major manufacturers such as Amp and Molex. Other types of cable as well as spiral wrap and heatshrink sleeveings are available on request.

Integral Foam Insulation

To provide higher efficiency during heating, NPH flexible silicone heater mats can be thermally insulated with a closed cell silicone foam insulation vulcanized to one face. Many thicknesses are available from stock, as well as specialist types such as flame retardant that can be supplied on request.

Brand Marking for OEM and Large Production Run Customers

Products are marked with identification and batch numbers giving full manufacturing traceability. Branding with the client details and logo is available upon request.

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

Silicone Flexible Heaters - The particular application conditions of aerospace, medical, composite fabrication, optical equipment and computers often require **flexible heating elements**. NPH offers a wide assortment of in-stock and custom **flexible heaters** in **Kapton®** and **silicone rubber** materials to suit most any of these needs. **Silicone Rubber heaters** permit composite bonding and curing, as well as repair and fabrication operations. Equal length circuits and a cool tab are provided, while a fiberglass reinforced **heater** cover means long service life and increased durability. Standard watt density is 5W/in² (0.8W/cm²). All standard **heaters** are UL Recognized. Many sizes in stock from 6" x 6" to 20" x 20" (152.4 mm x 152.4 mm to .508 m x .508 m).

APPLICATIONS: SILICONE RUBBER FLEXIBLE HEATERS

- Heating of Electronic Components- ATM's and Photocopiers
- Heating of Aerospace Instrumentation-Satellites and Spacecraft
- Semiconductor Wafer Processing
- Autoclaves, Incubators and Sterilizers
- Vacuum Chambers
- Medical Imaging, Medical Diagnostic Instruments and Analyzers
- Applications requiring a flexible shape or design

National Plastic Heater supplies **silicone rubber heaters** for many different applications such as industrial catering, battery warming, environmental control or electronics (particularly telecommunications), laboratory equipment and anti-condensation. The uses for polyimide heaters are infinite as they can suit any application requiring surface heating up to 200°C. Their suitability for arduous conditions has been proven in applications from polar expedition to space exploration. We are the final frontier in polyimide heaters!

How To Order Silicone Rubber Flexible Heaters

- 1) Specify length and width
- 2) Specify watts and Volts
- 3) Specify type of temperature control required-Thermocouple, RTD, Pre-Set T-stat etc
- 4) Specify with or without sticky back (PSA-pressure sensitive adhesive)
- 5) Specify holes, notches, cutouts etc.
- 6) Provide drawing and or image or sample when required
- 7) Specify length of leads
- 8) Specify type of application and its parameters



National Plastic Heater, Sensor and Control Inc.

sales@nphheaters.com

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

www.kapton-silicone-flexible-heaters.com

Visit our other sites below...

www.industrial-process-heaters.com

www.nphheaters.com

