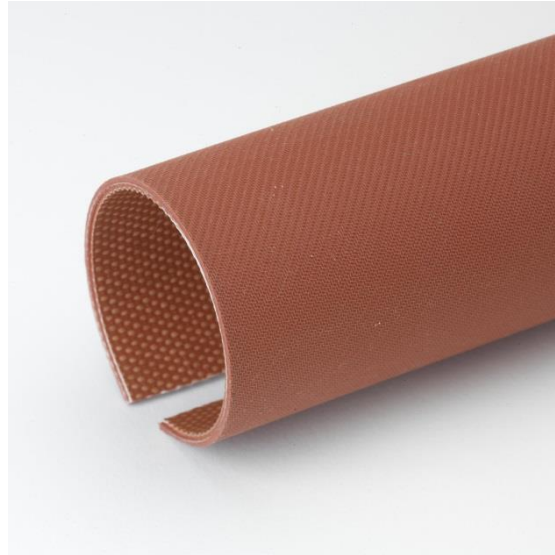Datasheet
Stock No: 106-5410

Foam Insulated Heater Mat, 200 x 400 mm, 533 W

RS Article	Heater Size (mm)	Voltage (V ac)	Wattage (W)	Thermal Insulation	Control
1065407	100 x 150	240	100	8mm Foam*	Thermocouple J
1065408	150 x 200	240	200	8mm Foam*	Thermocouple J
1065409	200 x 300	240	400	8mm Foam*	Thermocouple J
1065410	200 x 400	240	533	8mm Foam*	Thermocouple J
1065411	500 x 500	240	1665	8mm Foam*	Thermocouple J

*Foam is durable closed cell with low water absorption and dust ingress protection to IP65.

Product overview:

Being thin and lightweight, silicone 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, flexibility and superb electrical properties give it a distinct advantage over other forms of heating.

The high performance foam insulation delivers an increase in efficiency and performance. Reducing the thermal losses of the element in turn reduces heat up times and allows operating temperatures to be more easily maintained.

The addition of the Thermocouple component allows universal controller compatibility and when combined with the insulating foam layer ensures accurate and efficient heating performance.

Product Details:

- Self-adhesive insulated heater mats designed for use in areas where standard heating methods are difficult to apply
- Backing adhesive from Nitto, no loss in performance
- Flexible Silicone with Etched Foil heating elements
- Vulcanised layer of closed cell thermally insulating foam of 8mm thickness
- PTFE braided thermocouple type J incorporated offering universal controllability
- Operating temperature +180°C (intermittent maximum due to adhesive) 150°C continuous use
- -240 V ac for all variations

Specifications:

Mat Shape: Rectangle

Mat Dimensions: 200 x 400 mm

Mat Features: 8mm closed cell insulating foam, Thermocouple type J with PTFE Braid

Peak Temperature: +180°C (150°C continuous use)

Leads: 20 AWG PTFE insulated to BS3G210 Type B – Length 500 mm