

## SILICONE HEATER MAT FOR IBC



### APPLICATIONS:

The silicone heater mat is designed to heat products stored in 1000 litre Bag-in-Box intermediate bulk containers. Manufactured from the highest quality materials, the mat is designed for placement below the liner of the intermediate bulk container. This is delivered with a digital temperature controller providing simple and accurate temperature control. The heater is ideal for providing direct and uniform heating to products ranging from glucose and wax to honey and shampoo.

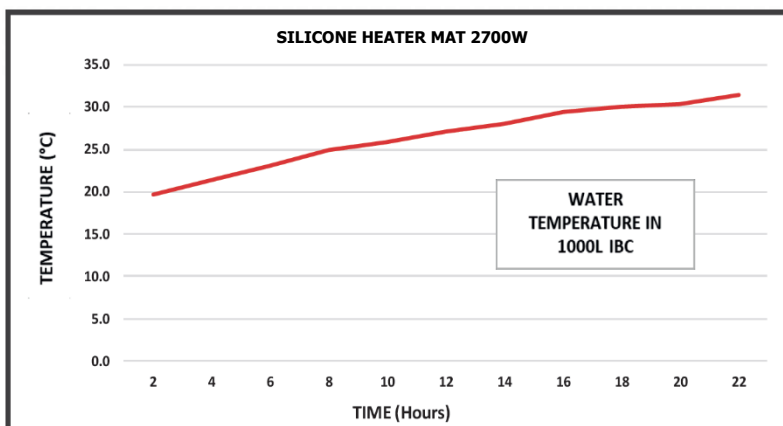
### CONSTRUCTION:

The silicone heater mat features a high temperature multi-stranded copper nickel resistance wire element, laminated between silicone fibreglass sheets to ensure a robust construction while also allowing product flexibility. The heater also incorporates a PTC temperature sensor between the silicone layers to offer the most accurate process temperature reading possible. This sensor connects to an electronic temperature controller via the heater power cable and provides accurate measurement and a fast response to temperature changes at the base of the IBC liner. This makes the heater suitable for both high energy absorbing products and highly viscous, temperature sensitive materials. The controller is equipped with mounting bracket allowing to hook it on the ibc's cage.



TECHNICAL DATA	
SIZE	850x1035 mm
RATING	230V 2700W or 110V 1800W
MATERIAL	Multi stranded copper nickel resistance wire laminated between silicone rubber and fibreglass sheets
CONTROL	0-150°C Electronic controller
POWER CABLE	2mt Ø 1.5mm PVC

CONTROLLER	
DIMENSIONS	200x150x105h (excluding mounting bracket)
SENSOR INPUT	PTC1000 via 4 pole socket (output to heater)
SUPPLY VOLTAGE	230V or 110 Vac
MAX POWER	2700W
ELECTRICAL PROTECTION	Residual current device



### MAIN POINTS:

- Drop In/Removable Base Heater
- Silicone Rubber Class II Double Insulated Construction
- Integral PTC Temperature Sensor
- In-Built Residual Current Device
- 0-150°C Electronic Controller
- Standard 1000L Sizes
- Direct and Uniform Heating
- Copper Nickel Wire and Silicone Fibreglass Sheet
- IP64 Protection

All silicone heaters mats are manufactured to conform to the EEC low voltage and EMC directives and CE marked accordingly. It is advised that power to the heater be disconnected when the container is being filled, or upon installation or removal of the heater itself. It is recommended that the unit be operated in a dry environment, indoor or outdoor under roof with the container vented to avoid build up of internal pressure.