

IBC Heater Mat



Safety & Recycling Info

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BOMAC IBC HEATER MAT SAFE USE INSTRUCTIONS

(Suitable for tri-ply PE-based IBC liners with standard hot-fill ratings)

- ✓ Position the Heater Mat at the base of the IBC.
- ✓ Place the filled plastic liner bag containing the liquid product directly onto the Heater Mat.
- ✓ The control thermostat is factory-set to **65°C (±5°C)**. An independent over-temperature protection thermostat is calibrated to **80°C (±5°C)** in case the control thermostat fails.

Temperature Compatibility – IBC Liner Requirements

Condition	Maximum Allowable Temperature
Continuous / Storage / Operating	70°C
Short-term (e.g., hot-fill, discharge, <1 hour)	80°C

Note: These limits apply to standard tri-ply food-grade PE (LLDPE/MLLDPE) liners with EVOH or MPET barrier layers. The heater's 80°C safety cut-out is **not used as the operating limit** — it is a fail-safe only.

Material Contact Rating

All materials in direct contact with the Heater Mat must be rated for **continuous exposure up to 70°C** (thermal cut-out limit).

User Responsibility

- Confirm your liner bag is rated for **minimum 70°C continuous**
- Test liquid/liner compatibility at intended temperatures.
- Fill liner to full capacity to avoid hot spots or collapse.
- Do not store empty liners near heat sources or in direct sunlight.



Never use the Heater Mat in a Hot Room



The Heater Mat should not be used in EX zones (hazardous explosive environment)



Unplug the Heater Mat before dispensing the product



The Heater should be powered and connected to a RCD



The Heater Mat must be installed and used on a flat supporting surface



HOT SURFACE- AVOID CONTACT

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RECYCLING INFORMATION

Bomac's IBC heaters are manufactured from 100% recyclable or reusable components, making the foil heater a sustainable choice for IBC heating.

The construction materials are:

- ✓ Laminations of craft paper and aluminium foil.
- ✓ Heating cable consisting of nickel alloy/ resistance wire/ silicone rubber insulation.
- ✓ A control thermostat assembly.
- ✓ An input power cord with moulded plug.

The components of Bomac's IBC heaters are 100% recyclable or reusable.



The Aluminium foil is 100% recyclable.



The craft paper backing is 100% recyclable.



The heating cable can be stripped from the foil and recycled through a non-ferrous metal recycler.



The power cord can be cut off and recycled through a non-ferrous metal recycler.



The control thermostat assembly can be reused.

