

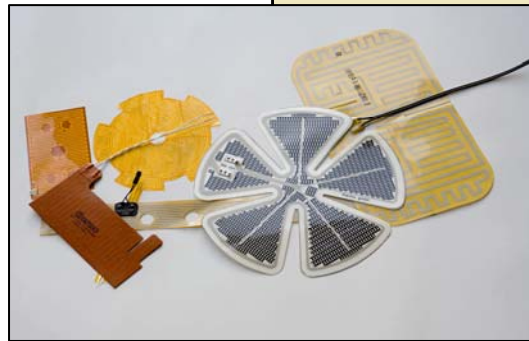
Neoprene Heaters

Neoprene Heaters are similar to silicone rubber heaters but operate at a lower temperature and watt density. Neoprene is a thin, lightweight material ideally suited for flexible heaters.

Operating Temp	Up to 250° (120°C)
Watt Density	Up to 10w / sq. in.

Features:

- Weather and chemical resistant
- Low thermal mass
- Lightweight construction
- Applications include: battery heaters, photographic chemical tanks, food service tables



Thermo Neoprene Heater

Thicknesses range between .038" and .125" Many lead types and control devices are available.

Heating trace is vulcanized between layers of neoprene.

thermoView Transparent Heaters

ThermoView heaters are used when the conductive traces used in the design of conventional heaters create a visual obstruction unacceptable for its application. These heaters are typically used for the defrosting and maintaining of LCD displays at optimum operating temperatures or for defrosting and removing moisture from windows. Other applications include: medical displays, vehicle head's up displays, hand held meter displays, and control panels on heavy agricultural and earth moving equipment.

Features:

- Optical grade polyester ensures clarity and enables optimum imagery at a wide range of ambient temperatures and conditions
- Electrically conductive Indium Tin Oxide (ITO) coating provides excellent heating performance with good optical clarity compared to the highly reflective resistive wires typically used to provide heat
- thermoView heaters can permit light transmission in excess of 90%
- Easy to install. Optically clear PSA (pressure sensitive adhesive) provides good adherence to most surfaces

Technical Specifications

Max Watt Density	Approximately 3 watts / sq. in.
Operating Temp	-22°F to 203°F
Termination	Printed busbar and wire termination area along two opposing edges.
Temp Control	A wide variety of temperature control configurations are available, depending on required accuracy and application
Thickness	Typical thicknesses range between .006" and .012", depending on construction
Materials	ITO (Indium Tin Oxide) sputtered on optically clear polyester with screen printed bus-bars.