

HOLROYD

BESPOKE SURFACE HEATING ELEMENTS

OVERVIEW:

Holroyd supply separate insulation pieces to complement our range of silicone heaters. With our material expertise and dedicated development, we offer bespoke pieces to suit 'T' sections, flanges and valves. As well as these shaped pieces we can offer straight sections up to 1M in length, in standard sizes to suit pipe diameters from 38.1mm (1.5") to 152.4mm (6"). Our insulation foam provides a highly efficient barrier to help reduce heat losses in many applications. In house testing has shown significant energy savings averaging 63%. Silicone rubber products have an excellent resistance to ozone, oxidation, UV light, corona discharge, cosmic radiation and weathering in general.

MAIN POINTS:

- Temperature Range -60°C to 250°C
- Flame Retardant
- Low Water Absorption
- High Dust Ingress Protection
- Supplied with Heaters or Supplied Separately
- Easy to Install
- Bespoke Shapes and Sizes



QUALITY



RELIABILITY



CREATIVITY



SERVICE



COMMUNITY

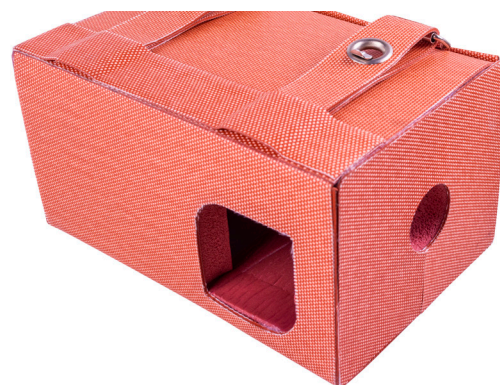
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SPECIFICATION:

Flame retardant cellular silicone foam construction with robust glass reinforced silicone jacket. Nickel plated buckle, eyelet and hook fixing for simple installation, poppers can be an alternative option.

CLOSED CELL FOAM:

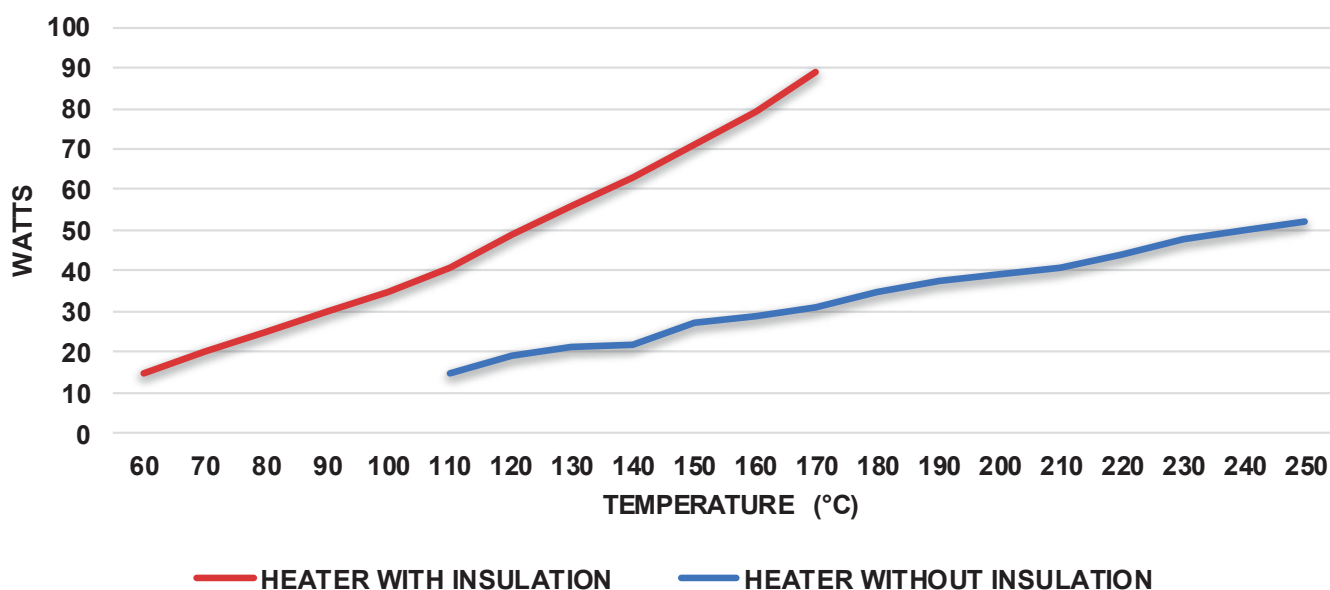
- Temperature range -60°C to 250°C
- Thermal conductivity $6.4 \times 10^{-2} \text{W.m}^{-1}.\text{K}^{-1}$
- Brittle point: -80°C
- Limiting Oxygen Index: 24.0%
- Radiation Resistance: $>10^5$ Grays (10^7 Rads) typical

APPLICATIONS:

- Temperature critical pipe line assemblies.
- Gas or liquid pipeline.
- Frost protection.
- To reduce heat loss on valves, pumps and flanges where heating may not be possible or together with silicone heaters to improve heating efficiency.

	UNITS	SPEC LIMITS	TYPICAL VALUE
DENSITY	Kg.m-3 Lb.ft-3	200+/-40 12.5+/-2.5	195 12.2
HARDNESS	Shore OO Shore A	-	41.2 6.4
TENSILE STRENGTH	MPa Psi	0.4 min 58 min	0.43 62.4
ELONGATION TO FAILURE	%	15 max	208

ENERGY CONSUMPTION



In house testing has shown that using insulation alongside our silicone heaters offers an average energy saving of 63%.

This is actual data taken from a heater on a steel pipe with no flow (in free air).