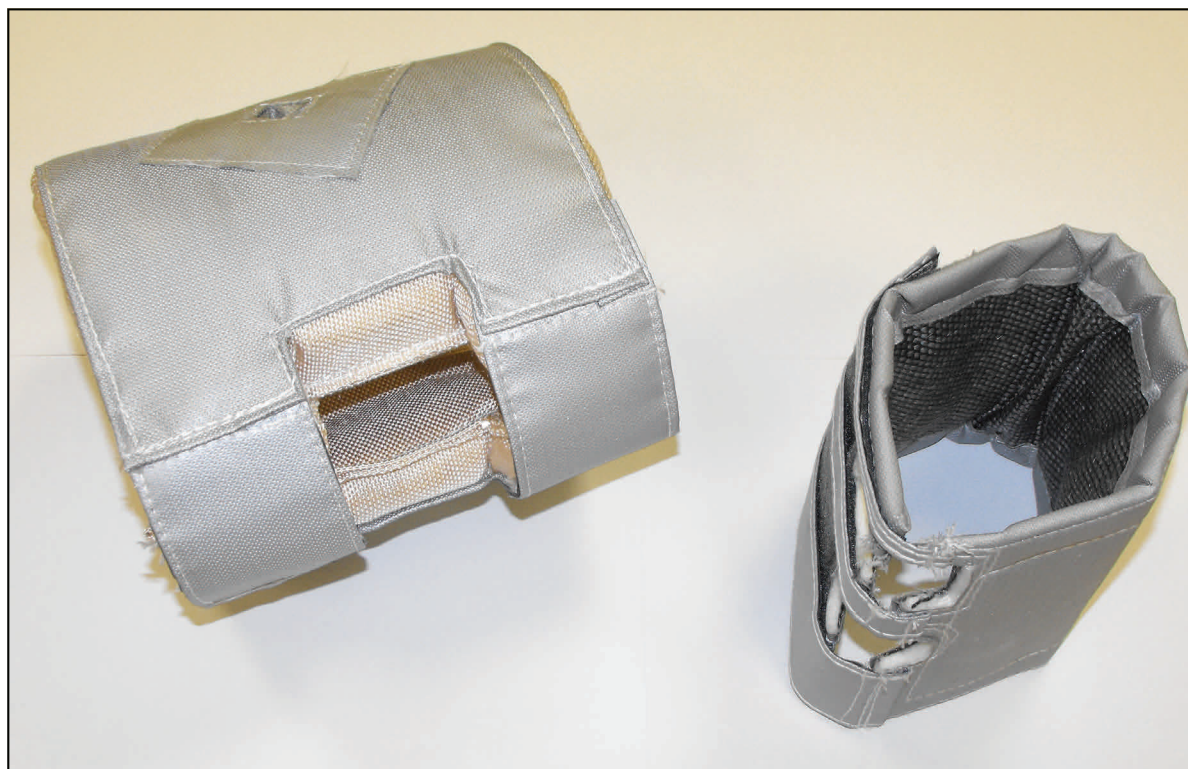


Insulation Jackets



Key Benefits:

- Save up to 25% on energy bills
- Provide personal protection from skin burns
- Reduce start up time
- Minimise heat loss
- Easy fitting & removal for maintenance
- Tailor made from heat-resistant material
- Cut-outs for junction boxes & Thermocouples

To Reduce Your Carbon Foot Print - Call us now!!

Insulation Jacket Data Sheet

Outer Skin & Straps:

Silicone coated woven glass fibre (coated on **both** sides)

Colour: Grey
Thickness: 0.40mm
Temperature range: -60°C to +250°C.
(Base fabric has temperature resistance of up to 550°C)

Inner Skin:

Texturised glass cloth with a caramelised finish
Colour: Golden brown
Thickness: 0.8mm
This fabric will withstand temperatures of up to 600°C.

Infill:

This product is manufactured from E grade glass fibre using controlled fibre diameters to ensure a constant volume and a favourable co-efficient of thermal conductivity. The mat is compacted without the use of a binder in a mechanical needling process producing optimum strength and stability.

	standard jacket	thin wall jacket
Colour:	White	White
Thickness:	25mm	10mm
Density:	130 kg/m ³	100 kg/m ³

This product operates on a continuous basis at temperatures of up to 550°C. Its melting point is around 825°C.

Thermal Conductivity for standard jackets only:

Temperature:	100°C	150°C	200°C	300°C	500°C	550°C
Conductivity:	0.045 W/m.K	0.051 W/m.K	0.059 W/m/k	0.078 W/m.K	0.130 W/m.K	0.140 W/m.K

Fastener:

Velcro Hook and Loop Fastener (fire retardant backed)

Colour: Grey
Composition: 100% Polyamide
Effective width closure: Not more than 5mm less than overall width
Minimum breaking strength: 100 N/cm overall width
Minimum peel strength: As received 1.3 N/cm effective width
After 5000 cycles 0.65 N/cm effective width
Minimum sheer strength: As received 8.0 N/cm effective width
After 5000 cycles 5.0 N/cm² effective width

This product conforms to BS 7271 and meets the requirements laid down in CAA Specification No. 8.

Thread:

Nomex sewing thread is produced from aramid flame retardant fibre. The thread is lubricated with a specially developed finish which resists damage to the filaments in the thread during high speed sewing operations. It is an inherently flame retardant fibre that is also heat resistant. Its chemical structure is such that it does not easily break down into combustible molecular fragments and produces relatively little smoke when heated.

Diameter: 0.30mm
Strength: 5.80 kgs (approximately)

The aramid begins to char at approximately 370°C and then will start to disintegrate. In the absence of a flame source, there is no flaming at up to 500°C.