# TECHNICAL DATA

Version 3

# AT521 40 Micron Aluminium Foil Shielding Tape

**General Description**
40 micron aluminium foil coated with an electrically conductive acrylic adhesive supplied on a removable silicone liner.

- Conductive acrylic adhesive
- Good shielding effectiveness and z-axis conductivity
- Good high and low temperature resistance
- Good resistance to chemical ,heat, acid and alkali
- Easy unwind

**Specifications***

- Tested in accordance with ASTM D-1000 latest issue, BS EN 60454 - Part 2 test methods (Formerly VDE 0340, BS 3924).
- Tested and meets military specification MIL – T - 47012
- Construction is tested in-house and conforms to the Flame retardant requirement part only of UL510

**Technical Details**

| Typical values | BS value | ASTM value |
|---|---|---|
| Foil thickness: | 0.040mm | 1.6 mil |
| Adhesive thickness: | 0.025mm | 1.0 mil |
| Total thickness: | 0.065mm | 2.5 mil |
| Adhesion to steel: | 4.5 N/cm | 41 oz/inch |
| Tensile strength: | 25 N/cm | 14 lbs/inch |
| Elongation: | 8% | 8% |
| Temperature Resistance | -20℃ to +155℃ | Up to +311℉ |
| Electrolytic corrosion factor: | A 1.0 | |
| Electrical resistance through Adhesive*: 0.005 ohms | | |
| RoHS compliant | Yes | |
| Storage Temperature | +12℃ to +25℃ | |

* Tested according to MIL STD 202F method 307 across surface area of 1 sq. inch.

Standard charge for certificate: £25.00.

**NOTE**
Except where indicated otherwise, the figures stated are average values and should not be regarded as MAXIMUM or MINIMUM values for specification purposes. The Company reserves the right to improve products and any change in specification will result in a re-issue of the relevant 'Technical Data Sheet'. Customers should satisfy themselves that the tape is suitable for their requirements whether after such modifications or otherwise. Please check that you have the latest issue of the 'Technical Data Sheet'. All slitting and length tolerances are to British Standards. Before use the customer is advised to consult the Health & Safety Data Sheet produced by the company for this product, which is available on request.

**STORAGE**
Tapes stored below the minimum recommended temperature will require warming up to that level before use. Up to 24 hours may be required for this to take place.

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