



TECHNICAL DATA SHEET

SHIELDING SOLUTIONS ECT-AL001 ALUMINIUM FOIL TAPE WITH ELECTRICALLY CONDUCTIVE ADHESIVE

Product overview

ECT-AL001 is a soft aluminium foil tape with a pressure sensitive conductive adhesive. It is particularly suited to applications such as cable shielding and EMI proofing seams in sheet metal cabinets.

Main features

High electrical conductivity providing effective shielding

Very conformable

Low surface contact resistance

Very good resistance to oxidation/ageing

High peel strength adhesive

Vibration resistant

Applications

Versatile shielding medium –

Cable shielding

EMI sealing of panel joints / seams in sheet metal enclosures

Lining non-metallic enclosures or rooms

High degree of conformability allows the wrapping modules/devices etc

Static charge (ESD) control

EMI gaskets



TECHNICAL DATA SHEET

SHIELDING SOLUTIONS ECT-AL001 ALUMINIUM FOIL TAPE WITH ELECTRICALLY CONDUCTIVE ADHESIVE

Material Properties

Aluminium foil thickness	0.04mm
Total thickness	0.085mm
Tensile strength	5kgcm ⁻¹
Contact resistance	0.05Ωcm ⁻¹
Adhesive peel strength	5N cm ⁻¹
Service temperature range	-30°C to +160°C

Format

This tape is typically available in widths of 25mm, 50mm, 100mm but can be supplied in any required width to special order. This material can also be supplied in pre-cut profiles to suit your application.

Standard reel length is 20m



TECHNICAL DATA SHEET

SHIELDING SOLUTIONS ECT-AL001 ALUMINIUM FOIL TAPE WITH ELECTRICALLY CONDUCTIVE ADHESIVE

Product notes

To the best of our knowledge the information contained in this data sheet is accurate and representative of the product, however, it is the responsibility of the user to determine the suitability, safety and legality of use in any application

We recommend that the end user performs an evaluation to determine the suitability of the product in their application

This product is not intended for direct use in food, medical and cosmetic applications

The values shown on this data sheet are typical and should not be used as a basis of a specification

Information supplied as to the suggested applications for this product should not be construed as constituting a license or concession to infringe any patent. Furthermore we cannot warrant that the sale or use of this product will not infringe any patent involving any application of this product either on its own or in combination with other materials or process



Shielding Solutions Ltd
Unit 17
46 Springwood Drive
Braintree
Essex

CM7 2YN

Tel: 01376 330033
Fax: 01376 339163
Web: www.shielding-solutions.com

SSL/TDS/111 ISS 1
21/4/2008