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
<table>
<thead>
<tr>
<th>Material Properties</th>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Aluminium foil thickness</td>
<td>0.04mm</td>
</tr>
<tr>
<td>Total thickness</td>
<td>0.085mm</td>
</tr>
<tr>
<td>Tensile strength</td>
<td>5kg cm⁻¹</td>
</tr>
<tr>
<td>Contact resistance</td>
<td>0.05Ω cm⁻¹</td>
</tr>
<tr>
<td>Adhesive peel strength</td>
<td>5N cm⁻¹</td>
</tr>
<tr>
<td>Service temperature range</td>
<td>-30°C to +160°C</td>
</tr>
</tbody>
</table>

**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 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.