

# 1697

Super electrically conductive copper foil shielding tape

## Description

A 1.4mil (36 micron) premium dead soft, zero temper, high tensile copper foil coated with an aggressive, conductive acrylic pressure sensitive adhesive. Superior adhesion, malleability and adhesive conductivity allow for extremely low resistance and make this an excellent shielding tape.

## Applications

Designed to meet a wide variety of EMI/RFI shielding applications in the electronics industry. Also for use in printed circuit manufacture and repair. Foil accepts solder easily and does not oxidize.

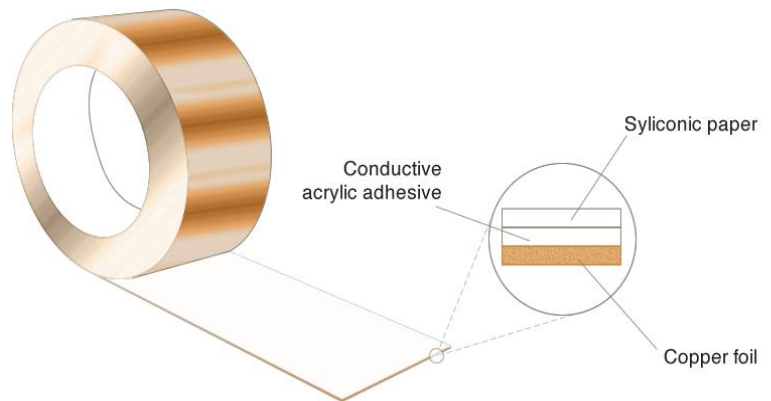
## Features and benefits

Malleable copper foil conforms well to irregular contours.  
Superb "wetting out" capabilities to all surfaces.  
Permanently bonds to low surface energy materials and difficult textured surfaces.

## Important information

The physical properties are typical test results obtained from a series of laboratory tests and should not be used for the purpose of writing specifications. Before using the product, user shall determine the suitability of the product for his use; and user assumes all risks and liabilities in connection therewith. All test procedures used are in accordance with ASTM, PSTC and Mil Standard methods.

## Construction



## Technical data

	Metric
Thickness:	
Foil	0.036 mm
Total	0.076 mm
Adhesion:	
Peel (PSTC#1):	10.2 N/2.5 cm
Shear (PSTC#7):	7.6 kPa
Tensile (PSTC#31):	163.0 N/2.5 cm
Elongation (PSTC#31):	6%
Low temperature application:	-12°C
High temperature resistance:	212°C
Low environmental resistance:	-40°C
Release liner:	106 GSM
Standard widths:	3.18 mm to 1.1 meters
Standard lengths:	16.5 and 32.9 meters

## Shielding effectiveness: MIL 285M

Frequency	Attenuation
100 Khz	141 db
1 Mhz	137 db
10 Mhz	114.5 db
50 Mhz	96 db
100 Mhz	101.5 db
200 Mhz	111 db
400 Mhz	102 db
800 Mhz	>128 db
900 Mhz	>127 db
1 Ghz	>116 db
5 Ghz	92 db
10 Ghz	80 db
17 Ghz	87 db