

3M 3302 Electrically Conductive Aluminum Tape

Product Description:

3M 3302 Tape is a 2.0 mil (50 micron) high strength dead soft aluminum foil coated with specially formulated *conductive* pressure sensitive acrylic adhesive system. Superior adhesion, malleability and adhesive conductivity allow for extremely low resistance and make this an excellent shielding tape. Designed to meet a wide variety of Electromagnetic Interference and Radio Frequency Interference shielding applications. Tape has a liner.



Stock Items:

Size 2" x 108'
 Part No. 3302-2-36

Features:

- UL510 Listed (UL file #E137857)
- Malleable aluminum foil conforms well to irregular contours
- Ideal for EMI and RFI shielding applications
- Superb "wetting out" capabilities to most surfaces

Applications:

- Electrically Conductive tape for SCIF applications

PROPERTY	3302 TAPE	TEST METHOD
Thickness w/o liner:	3.6 mils (0.0036")	PSTC-133
Peel Adhesion:	36 oz./inch	PSTC-101
Shear Adhesion:	>24 hrs @ 2.2 psi	PSTC-107
Tensile Strength:	27 lbs./inch	PSTC-131
Elongation:	4%	PSTC-131
Application Temperature:	10°F to 120°F	
Temperature Resistance:	-40°F to 250°F	

IMPORTANT INFORMATION:

The information cited is in good faith and has been established from sources held to be secure and reliable. The values listed are typical properties and are not intended to be used as specifications for defined applications. User must determine the product suitability for the end use application and assume all risks and liabilities.

Our Solutions Reflect on You

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Radiant Shield SCIF Barrier

Application Notes:

The Architectural Specifications for any particular job shall override the information presented on this Technical Data Sheet with regards to the appropriate products to use and the appropriate installation method to use for that particular job.

Shielding Effectiveness – Test Standard IEEE-299 / ASTM D4935

*Test results for Ultra NT SCIF Barrier 1800-48-125S solid product only.

FREQUENCY (MHz)	Horizontal Calibration Signal (watts)	Horizontal Signal Measurement (watts)	Horizontal Shielded Effectiveness
100	51.4 nanowatts	42 picowatts	49.7 %
400	2.1 microwatts	6.3 picowatts	68.8 %
800	2.1 microwatts	1.8 picowatts	75.6 %
1,000	2.0 microwatts	620 femtowatts	81.3 %
5,000	2.0 microwatts	75 picowatts	55.3 %
10,000	20 microwatts	167 picowatts	56.4 %

FREQUENCY (MHz)	Vertical Calibration Signal (watts)	Vertical Signal Measurement (watts)	Vertical Shielded Effectiveness
100	51.4 nanowatts	46 picowatts	47.8 %
400	2.1 microwatts	1.7 picowatts	75.8 %
800	2.0 microwatts	2.7 picowatts	73.4 %
1,000	2.0 microwatts	3.0 picowatts	72.9 %
5,000	21 microwatts	25 picowatts	61.4 %
10,000	21 microwatts	240 picowatts	54.7 %