



Tape is wound on a paper core.

ANSI/ESD S20.20 requires that all nonessential insulators, such as those made of plastics and paper, must be removed from the workstation. Substituting ESD tape for regular tape (a very high tribocharging insulator) protects your ESD susceptible products.

No silicone based material (adhesive, film backing, release material) is used in the manufacture of our conductive shielding grid tape.

Users shall determine the suitability of the product for its intended use. For best results, tape inventory should be continually replenished. It is recommended that rolls of tape be stored flat and rotated (flipped over to the other side) periodically. Tapes should be stored in a dry, well ventilated room with a reasonably consistent temperature of 68°F (20°C) and be protected from exposure to direct sunlight. Tape should not be stored in ultraviolet sunlight, moisture, or heat. Tape over one year old should be evaluated by the user to determine acceptability for the user's application. Desco Industries, Inc. recommends those tracking useful life of product to use shipping/invoice date as Desco Industries, Inc. expressly warrants that for a period of one (1) year from the date of purchase, our Wescorp Brand ESD Tape will be free of defects in material (parts) and workmanship (labor). See details of Limited Warranty online at Desco.com/Warranty.aspx

*Wescorp is a Desco Industries brand.

Specifications and procedures subject to change without notice



Conductive Shielding Grid Tape

For applications requiring EMI shielding

- Both surfaces low-tribocharging at 50% RH
- 1.9 mil (0.0019"), (0.049 mm) total thickness acrylic based adhesive
- Conductive grid layer 10E4 to 10E5 ohms at 50% RH
- Adhesive copolymer resistivity 1 x 10E9 ohms
- Copolymer layer 8 x 10E12 ohms
- Max Temperature 60°C (140°F)
- Absence of shed, crack, chip, or rub off
- Non-corrosive



Electrical Properties:

| Property | Test Method | Value |
|---------------------------------|------------------|--------------|
| Tensile Strength - Longitudinal | ASTM D 882 | 160 N/mm sq. |
| Tensile Strength - Transverse | ASTM D 882 | 270 N/mm sq. |
| Elongation - Longitudinal | ASTM D 882 | 160% |
| Elongation - Transverse | ASTM D 882 | 50% |
| Static Decay Time | FTMS 101B, M4046 | 0.5 sec. |

Specifications:

| | | |
|---------------------|-----------|--------------------|
| Base Film Thickness | | 30 micron |
| Peeling Force | | 12 N |
| Cohesion Force | LCTS-T2-4 | 12 hrs |
| Adhesion to Steel | LCTS-T3-4 | 0.300 kg/25mm min. |

Width - See Metric Note

| Tape | 0.5" | .75" | 1" | 2" | Core | Length |
|---------------------------|-----------------------|-----------------------|-----------------------|-----------------------|------|---------|
| Conductive Shielding Grid | 81250 | 81251 | 81252 | 81253 | 3" | 118 ft. |

Tape widths are nominal metric ± 0.8 mm ($\pm 1/32$ ").

| | |
|------|----------------------------|
| 1/2" | is 12 mm nominal or 0.472" |
| 3/4" | is 18 mm nominal or 0.709" |
| 1" | is 24 mm nominal or 0.945" |
| 2" | is 48 mm nominal or 1.890" |

RoHS Compliance Statement

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at Desco.com.

WESCORP* ESD CONDUCTIVE SHIELDING GRID TAPE, PAPER CORE

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: Desco.com
PHONE (909) 627-8178 FAX (909) 627-7449

DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407
PHONE (781) 821-8370 FAX (781) 575-0172

DRAWING NUMBER
81250

DATE:
April
2010