



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.

## Use and Storage:

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](http://Desco.com/Warranty.aspx)

If not otherwise noted tolerance +/- 10%.

\*Wescorp is a Desco Industries brand.

**Note:** Tape rolls may vary slightly in color

## Electrical Properties:

- Both surfaces low-tribocharging at 50% RH
- Conductive grid layer  $1 \times 10^4$  to  $< 1 \times 10^6$  ohms at 50% RH
- Adhesive copolymer resistivity  $1 \times 10^9$  ohms (nominal) acrylic based adhesive
- Copolymer layer  $8 \times 10^{12}$  ohms (nominal)

## Physical Properties:

- 1.9 mil (0.0019"), (0.049 mm) total thickness
- No silicone (adhesive, film backing, release material)
- Max Temperature 60°C (140°F)
- Non-corrosive

| 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.           |
| 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 | <a href="#">81250</a> | <a href="#">81251</a> | <a href="#">81252</a> | <a href="#">81253</a> | 3"   | 118 ft. |

Tape widths are nominal metric  $\pm 0.8$  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 2, REACH and Conflict Mineral Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2014/06/16, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco [Limited Warranty at Desco.com](http://Desco.com/LimitedWarranty.aspx).

Specifications and procedures subject to change without notice.

Made in Malaysia

# DESCO

## WESCORP\* ESD CONDUCTIVE SHIELDING GRID TAPE, PAPER CORE

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**DRAWING  
NUMBER:**  
81250

**DATE:**  
February  
2015