



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](https://www.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 1×10^4 to $< 1 \times 10^6$ ohms at 50% RH
- Adhesive copolymer resistivity 1×10^9 ohms (nominal) acrylic based adhesive
- Copolymer layer 8×10^{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	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 3, REACH, and Conflict Minerals Statement

None of the RoHS 3 restricted hazardous substances, REACH substances of very high concern as of 2020/01/16, or Conflict Minerals are intentionally added in manufacturing this product. Ref: European Union Directive (EU) 2015/863 amending Annex II of the RoHS Directive 2011/65/EU, and Regulation (EC) No. 1907/2006/CE.

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:
September
2020

Mouser Electronics

Authorized Distributor

Click to View Pricing, Inventory, Delivery & Lifecycle Information:

Desco:

[81252](#) [81250](#) [81251](#) [81253](#)