

velleman®

Product Data sheet

VELLEMAN

(Brand)

Antistatic dissipative mat

(Product name)

AS1N, AS4, AS5, AS8

(Product identification)

manufactured / imported by:

VELLEMAN NV.
Legen Heirweg, 33
9890 Gavere
Belgium

- The only difference between the models is the mat size.
- Except for AS1N the antistatic dissipative mats come with accessory AS1N/CBL, AS1N is without snap.

Properties:

- Antistatic: reduction of static build-up due to tribo-electric charging between materials.
- Dissipative: slow neutralization rate of ESD to prevent damage to microcircuit devices which cannot tolerate a sudden flow of static charge to ground.

Material:

- Material: Dual layer Vinyl (white top layer / black foam bottom layer)
- Temperature resistance: max. 100°C (not resistant to soldering)
- Thickness: 2mm (white layer: 0.2mm, black layer: 1.8mm)

Surface resistivity (Ta = 25°C, RH = 60%):

- AS1N: $1 \times 10^9 - 1 \times 10^{11}$ ohm/m²
- AS4: $1 \times 10^9 - 1 \times 10^{11}$ ohm/m², charge decay time < 0.03 sec.
- AS5: $1 \times 10^9 - 1 \times 10^{11}$ ohm/m², charge decay time < 0.03 sec.
- AS8: $1 \times 10^9 - 1 \times 10^{11}$ ohm/m², charge decay time < 0.03 sec.

Dimensions:

- AS1N: 100x122cm
- AS4: 30x55cm
- AS5: 50x60cm
- AS8: 70x100cm

Pictures:

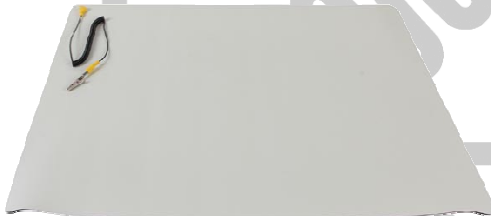
AS1N:



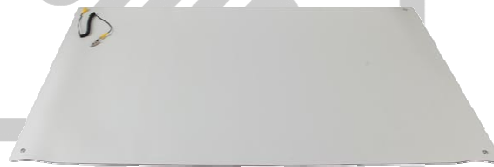
AS4:



AS5:



AS8:



Guidance:

- Matting materials have a tendency to shrink slightly when first unrolled. In applications where length is critical, allow the material to relax for at least 4 hours before cutting to size. Matting can be trimmed with a sharp knife.
- Note that contact between the matting surface and any acid or alkali solvent will result in degradation of the antistatic performance. If cleaning is required, the matting may be wiped with a cloth coated in a neutral solution

Other information:

The above information is believed to be correct but does not purport to be all inclusive and shall be used only as a guide.

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