

NSTAT ESD CONTROL

1-866-51-NSTAT (67828)

Premium Vinyl Table Mat NS-601 Series

A long time industry favorite, this three layer vinyl material provides excellent electrical properties. The top layer is tough, easy to clean, dissipative vinyl. The center layer, a highly conductive metal scrim, moves the charge from the surface to ground quickly. The bottom layer is a durable, non-skid, cushion of dissipative foam. Compatible with Constant Monitors. Available in rolls, mats, and mats with ground cord.

Standards

Meets the requirements of ESD Standard 4.1, ESD Standard 20.20, EIA 625, MILI-HDBK-263, and MIL-STD-1686.

Specifications

Material: 3 layers advanced fusion Vinyl / Foam.

Electrical Properties: PTP: 5.5×10^7 @ 10 Volts per EOS / ESD 4.1 $10^5 - 10^6$
RTG: 5.5×10^7 @ 10 Volts per EOS / ESD 4.1
Surface Resistivity: 10^9 per EOS / ESD S11.11

Charge Decay: Conditioning: 50% RH +/- 2% @ 230C +/- 10C for 24 hours.
Test conducted @ 50% RH +/- 2% @ 230C +/- 10C.
Test results: Time, seconds to decay to 10% of initial charge.
Results: 2.0 seconds 5000 volts to effective 0 volts in less than 0.01 seconds.

Physical Properties: Thickness: 3/8"

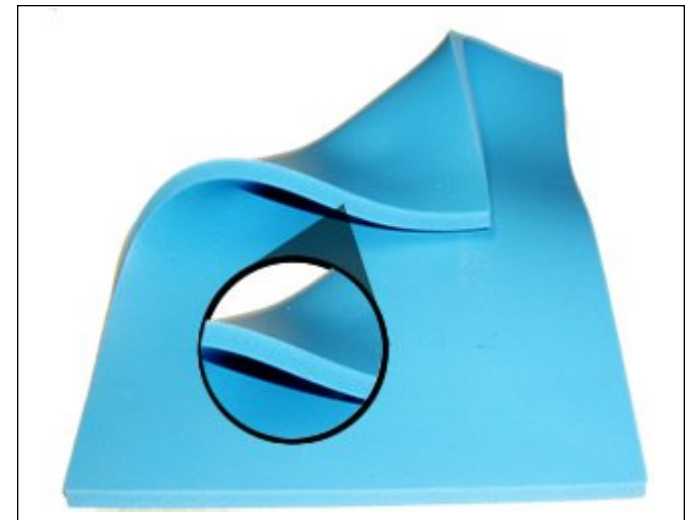
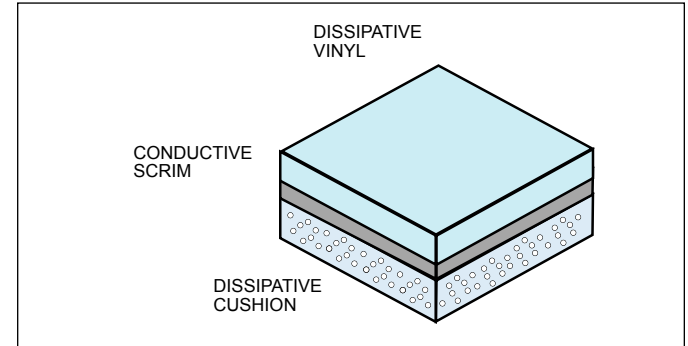
Color: Blue

Part Numbers

Mats

SIZE	BLUE P/N
24" x 50ft	NS-601-24
30" x 50ft	NS-601-30
36" x 50ft	NS-601-36

Call for custom sizes.



R - T - G?

RTG is the resistance from one point on the mat's surface to the mat's ground point, and is the fundamental electrical test for a mat. A proper RTG insures that a mat can conduct charge from a point on the surface to the mat ground point. The guideline in ESD STM-4.1 for RTG is 1×10^8 to 1×10^9 ohms. ANSI/ESD S-20.20 has an upper limit of $< 1 \times 10^9$ ohms.

RTT is the resistance from one point on the mat's surface to another point. A proper RTT insures the consistency of the mat's resistance properties. The ESD STM-4.1 guideline for RTT is $> 1 \times 10^8$ ohms.

P R O D U C T D A T A S H E E T

Mat - Premium Vinyl- THREE LAYER NS-601 Series

PRODUCT

THREE LAYER VINYL MAT

ITEM NUMBER

SEE ABOVE

DATASHEET



Nstat ESD Control

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