

Supreme Mat Dissipative Material

Exceptional heat durability

The Supreme Mat is a dual-layer, static dissipative material specifically designed for repeated high heat applications. This homogeneous dissipative formula provides permanent surface and volume resistance that conforms to the most stringent ESD requirements.

With a dissipative upper layer and a conductive base, this material is as comfortable as ESD vinyl and rubber materials, but unlike typical CR and NBR, lasts longer when exposed to chemical cleaning with solvents like isopropyl alcohol.

Tests show that even in high heat applications where the hardness and elongation properties in rubber are severely damaged after one or two uses, the Supreme Mat lasts through more cycles without degrading or losing electrical properties. When left in an oven for 24 hours at 150°C/302°F, Supreme Mat remained dissipative according to ANSI/ESD STM 4.1.

Some anti-static additives degrade over time when exposed to sunlight or fluorescent lighting. The electrical properties in Supreme Mat remain unaffected and colors do not fade.

Ideal for the following applications:

- Environments tailored to ANSI/ESD S20.20 specifications
- Cleaning with IPA and other mild solvents
- High heat curing of PCB conformal coating

- ✳ **Two layer; 0.080" (2 mm) thickness**
- ✳ **Colored layer: 10e6 - 10e8 ohms @12%RH, ohm per cm RTG, RTT, Vol R**
- ✳ **Black layer: <10e4 ohms @12%RH**
- ✳ **Endures more high temperature applications than other ESD mats**
- ✳ **Embossed finish reduces light glare and parts slippage**
- ✳ **Withstands harsh chemicals**
- ✳ **No outgassing or VOC; ideal for controlled environments**
- ✳ **Proprietary formula is inherently UV and fade resistant**
- ✳ **Made in the USA**
- ✳ **Available in blue**

Maintenance:

To keep mats clean and avoid insulative electrical readings, use a neutral cleaner such as the 6001 Mat and Table Top Cleaner.

The low alcohol, high surfactant formula will allow deep cleaning without damaging the structural integrity of ESD materials.

Warranty:

Electricals are warranted for 5 years. This excludes material exposed to physical or chemical damage.

The components used to manufacture this product, including smoke and flame inhibitors, are RoHS compliant and are not listed on the REACH SvHC list.

Rolls and cut mats are made in the U.S.A. and can be shipped under USMCA rules.



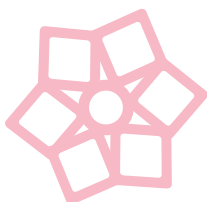
Supreme Mat rolls

848524 dark blue 24" x 40' x 0.08" (2 mm)

848530 dark blue 30" x 40' x 0.08" (2 mm)

848536 dark blue 36" x 40' x 0.08" (2 mm)

Supreme Mat pre-cut mats are available in various sizes. Each mat includes two 10mm female ground snaps. Ground cords sold separately.



ACL, Inc. has been certified by DQS Inc. to ISO-9001 : 2015 Certificate NO. 10002746

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