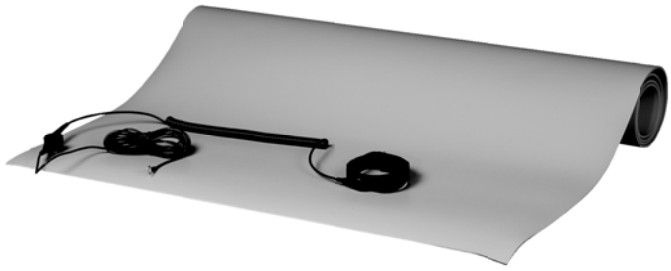
ESD Table Mat



TM2448

Description

The Thorlabs Static Control 2' x 4' (610 mm x 1219 mm) Table Mat is 3/32" thick and constructed of a homogeneous solid vinyl polymer mix. The dissipative vinyl provides a static-safe work surface for sensitive electronic devices from electro-static discharge (ESD). Static will discharge from conductors placed on the mat without shorting device leads. This product does not contain any silicone and meets the requirements of MIL-HSBK-263 and MIL-STD-1686, and is FMV SS302 compliant.

Specifications

TM2448	
R_{TG}*	10 V 6.0 x 10E8 -9.0 x 10E9 Ω
R_{TT}**	10 V 7.0 x 10E8 -9.0 x 10E9 Ω
Surface Resistance	109-10 Ω
Static Decay	<2.0 sec
Tensile	900 lb/in^2 (Min)
Elongation	160%
Tear	160 lb/in (Min)
Hardness [Durometer (Shore A)]	75 ± 5
Electro-Static Dissipative Property Range	70 x 10E8 – 9.0 x 10E9 Ω^2
Methanamine Tablet Test	<0.5 in
Limiting Oxygen Index	>26%
Thickness	0.094 ± .010" (3/32" or 94 mils)
Color	Blue or Gray
Snaps	2



*R_{TG} 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 R_{TG} ensures that a mat can conduct charge from a point on the surface to the mat ground point.

**R_{TT} is the resistance from one point on the mat's surface to another point. A proper R_{TT} ensures the consistency of the mat's resistance properties.