



## ESD Workstation Mat Kit WSK005 Specifications

### A. 5100 Series Static Dissipative 3-Ply Vinyl Mat

#### SPECIFICATIONS:

Meets the requirements of **MIL W-87893, WORKSTATION, ELECTROSTATIC DISTARGE (ESD) CONTROL, Type II work surface, cushioned.** The unique high-performance soft static-dissipative matting construction provides the same resistance-to-ground measurement from any point on the material for use as a work surface and floor and mat runner

**Top Surface** – a proprietary vinyl blend, engineered to be semi-conductive, non-tacky, color stable, durable and dirt/stain resistant.

**Fabric Sub-Layer** – provides dimensional stability, along with superior physical strength.

**Buried Conductive Layer** – the primary path to ground within the mat structure, but engineered to be easily accessible only through the ground snap fastener to minimize shock hazards and alternative, unintended ground paths.

**Vinyl Foam Backing** – provides a resilient, non-skid back. Additionally, the foam is engineered to provide soft feel to the mat structure while being highly durable with superior lay-flat properties.

Mat Color: **Sky Blue**

Standard Roll Sizes: **24" x 50', 30" x 50'**

Thickness (Minimum) ASTM D 1055: **0.075 Inches (Minimum)**

Weight: **.37 lbs./ sq. ft.**

Resistance  $R_{TT}$ -Surface, Top-to-Top (EOS/ESD S4)

@ 10 volts, 12% RH ( $R_{TT}$ )  $10^7 - 10^8$  ohms

@ 100 volts, 50% RH ( $R_{TT}$ )  $10^6 - 10^7$  ohms

Resistance  $T_{TG}$  – Surface Top-to-Ground Point (EOS-ESD S4)

@ 10 volts, 12% RH ( $R_{TG}$ )  $10^7 - 10^8$  ohms

@ 100 volts, 50% RH ( $R_{TG}$ )  $10^6 - 10^7$  ohms

Resistance - Volume (ASTM D 257)  $<10^{10}$  ohm-cm



## ESD Workstation Mat Kit WSK005 Specifications

### **B. 240-006 Series Adjustable Anti-Static Wrist Strap**

#### **SPECIFICATIONS:**

Meets or exceeds requirements of ANSI / ESD-S20.20 and ESDA Standard 1.1-2006

The soft, blue woven fabric and curved buckle allows the skin to breathe and makes it very comfortable to wear. The 240-000 used hypoallergenic silver-plated nylon thread for conductivity and has a maximum resistance of 160 ohms.

#### **Wrist Band:**

Fabric:	Polyester with silver-plated nylon
Resistance:	100 ohms typical
Contact:	360 degrees around wrist
Color:	Blue
Snap:	4, 7 and 10mm
Snap Release:	1 – 5 pounds
Back Plate:	Stainless Steel Band, 4mm

#### **Coil Cord:**

Length:	6 feet
Resistor:	1 meg ohm
Flex Life:	50,000 flexes
Color:	Black
Banana:	Swivel type



## ESD Workstation Mat Kit WSK005 Specifications

### C. 4716 Series Common Point Grounding System

#### SPECIFICATIONS:

Standards: Meets ANSI / ESDA S-6.1 and ESDA-S20.20

#### Cord:

Length:	15 feet,
Resistor:	no resistor
Snap:	10mm Male
Color:	Black
Ground Terminal:	#10 ring type
Wire Insulation:	PU/PVC