

TECHNICAL DATA

PRM-650, PRM-652 Dissipative Dual Layer Rubber Mat



Product Highlights

- Reflection breaking surface to reduce glare and improve operator comfort
- High resiliency for protection against small collisions
- High slip resistance
- Very high heat and solder resistance
- High chemical resistance
- Oil resistance
- Suitable for free laying (no adhesive required)
- PVC Free
- Compatible with continuous monitors
- Meets or exceeds requirements of ANSI/ESD STM4.1
- Meets the Federal Standard 101 Method 4046 for static decay
- ROHS Compliant

What's Included

- PGC-015G 15 foot Green Ground Cord
- PRS-801BC Bulldog Clips
- Two factory-installed Snaps

Available Accessories

- Q007B Common Point Ground Connector
- PGT-61-164 SureTest® Circuit Analyzer
- PWS-610M Fabric Band Wrist Strap
- PWS-620 Metal Band Wrist Strap

Dissipative Dual Layer ESD Worksurface Mats

The PRM-650 and PRM-652 are dual-layer synthetic rubber work surface coverings with volume functional static dissipative properties. It may be used as a grounded tablemat, as a non-grounded work mat when placed on a grounded surface, or it may be laminated directly to a workbench in place of rigid laminates.

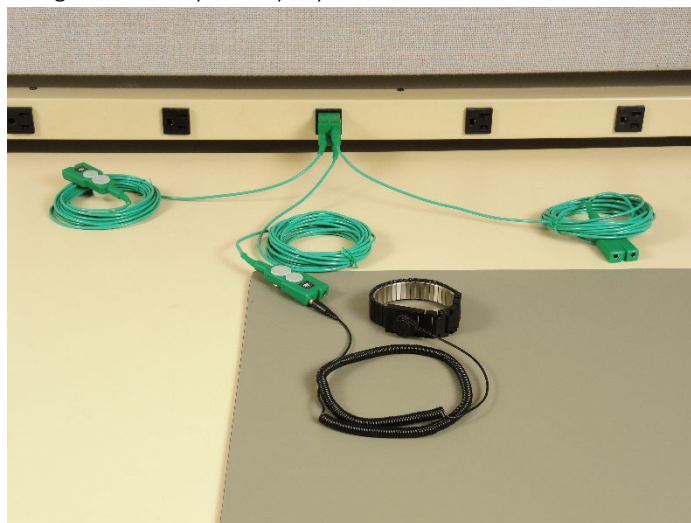
The mat is a unique, high performance worksurface material that uses both volume electrical properties in addition to surface dissipation to protect your static sensitive products. This approach provides exceptional ESD control performance, product protection and flexible application characteristics for a variety of static control challenges.

CONSTRUCTION

The rubber mat protects static sensitive products and devices as it is made of two layers of high quality Nitril Rubber, in compliance with the most stringent industry standards for ESD control.

TOP LAYER: Static Dissipative layer to discharge static fields at the right speed, thereby preventing damage.

BOTTOM LAYER: Conductive layer to quickly drain to ground all charges filtered by the top layer.

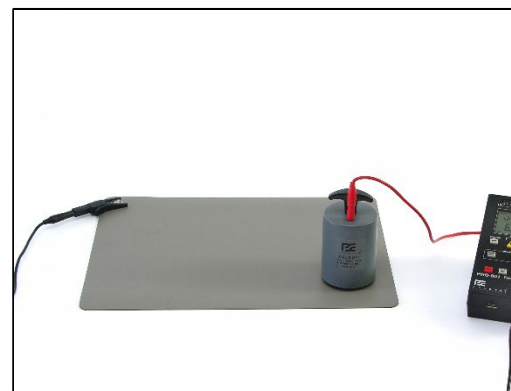
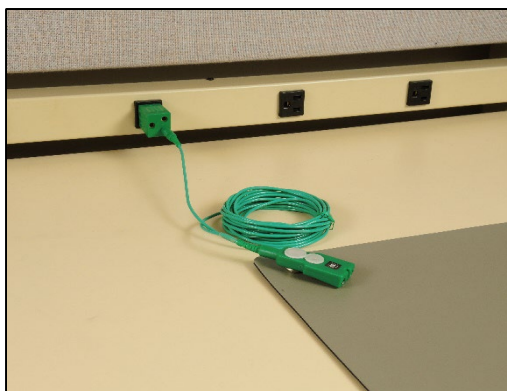


PFM-650 and PRM-652 Rubber Mat Specifications

PERFORMANCE	
Resistance Point-to-Point (Rtt)	5x10 ⁷ to 5x10 ⁸ ohms
Resistance to Ground (Rtg)	5x10 ⁷ to 5x10 ⁸ ohms
Surface Resistance	Top Layer: <10 ⁷ ohms Bottom Layer: <10 ⁴ ohms
Static Decay Time	5,000 volts to less than 50 volts in 0.1 second
CONSTRUCTION	
Top Layer	Static Dissipative layer to discharge static fields at the right speed, thereby preventing damage (grey side)
Bottom Layer	Conductive layer to quickly drain to ground all charges filtered by the top layer (black side)
Heat Tolerance	Withstands frequent contact with hot soldering irons
Ground Snap	Female Socket Snap Nickel Finish
PHYSICAL SPECIFICATIONS	
Size	PRM-650: 2 x 4 foot (24 x 48 inches) PRM-652: 1 x 1.33 foot (12 x 16 inches)
Thickness	2 mm, lays flat, will not curl, will not chip
Color	Gray (with low reflecting satin finish to reduce glare)
Texture	Yes
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Tensile	350 lb/in ² minimum
Elongation	110% minimum
Tear	80 lb/in minimum

PGC-015G Green 15 Foot Ground Cord Specifications

PHYSICAL SPECIFICATIONS	
Length	15 feet (4.6 meters)
Resistor	One megohm (±10%) resistor molded into snap connection
Color	Green



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