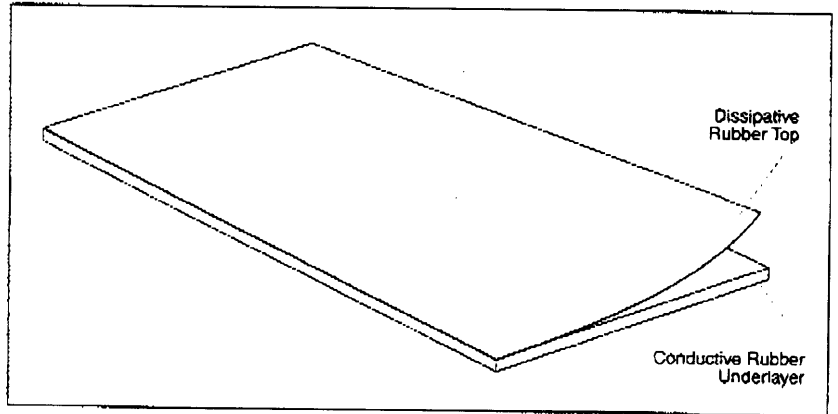


997 006  
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# 8750 Static-Dissipative Heat Resistant Synthetic Rubber Mats

- For ESD Protected Areas (EPAs)
- Meets EN100015/1
- Heat resistant
- Low profile
- Effective static charge drainage
- Humidity independent electrical performance
- Excellent lay-flat capabilities
- Low maintenance
- Range of sizes
- Minimum waste
- Selection of grounding options
- Range of colours



3M 8750 Series Static Dissipative Rubber Mats and Runners

## 8750 Series range

The new 3M 8750 Static-Dissipative Rubber Mats are a series of low profile heat resistant mats and runners for use as surface covering in EPAs, or other areas requiring ESD protection. This series combines superior electrical performance with the outstanding physical capabilities of synthetic rubber.

The 8750 Series is available in both mats and runners. To minimise the cost of waste material when cutting into mats, the sizes of the runners have been selected to match the sizes of the most commonly used workbenches in Europe.

## Construction and function

The mats and runners feature a low profile 2-layer construction of halogen-free synthetic rubber (NBR) with excellent permanent electrical properties providing a static-free work surface and an effective drainage of static charge to ground. The top layer is made of static-dissipative synthetic rubber (NBR), which prevents shorting of pins and drainage of PCB back-up batteries. The bottom layer is made of highly conductive synthetic rubber (NBR) that provides an instant discharge path to ground when used with 3M Grounding Systems.

The conductive bottom layer also provides the user with the opportunity to place the 8750 series directly onto a grounded surface without any additional grounding of the material.

The material provides excellent resistance to hot solder and soldering irons. The material also provides good chemical resistance against certain organic solvents and allows bonding to substrates by means of appropriate adhesives.

The surface has excellent high surface-friction properties allowing high precision work with small assemblies and components. This low profile material provides excellent lay-flat characteristics, even after ageing.

The surface is non-porous and requires a minimum of maintenance. The construction reduces the risk of dirt and grime fastening to the surface minimising the risk of increased contact resistance. For cleaning of the material it is recommended to use 3M 8001 Static Cleaner.

The 8750 Series is also suitable for use in flooring applications.

The 8750 Series can be grounded using the wide range of 3M Grounding Systems which incorporate a 1M Ohm safety resistor for user protection. For continuous monitoring of the complete workstation use the 3M 721 or 722 Workstation Monitoring Systems.

## 3M Grounding Systems - suitable for use with 3M 8750 Static-Dissipative Rubber Mats

### Supplied with Mats

- 3034 2 x 10mm female snap fasteners installed on all mats for use with 3M 10mm ground cords.

### Available Separately

- 3040 Ground cord with integrated 1M ohm safety resistor
- 3148 GSGS grounding system, with integrated 1M ohm safety resistor and 2 output jacks for use with GSGS coiled wrist strap ground cord
- 3048 Grounding system with integrated 1M ohm safety resistor and 2 female output jacks for use with banana plug wrist strap ground cords

### Other Grounding Options

- 3033 10mm male snap fastener for use with 3M 10mm female snap fastener wrist strap ground cords.
- 3050 10mm female snap fastener for use with 3M 3040 ground cords when used as a floor mat.
- Other suitable grounding accessories available on request.
- 721 or 722 workstation monitors for continuous monitoring of the work place.

## 3M 8750 Static-Dissipative Heat Resistant Synthetic Rubber Mats

### Ordering information

Part No.	Size	Colour
8751 runner	0.8m x 11m	Beige
8752 runner	0.8m x 24m	Beige
8753 runner	0.9m x 11m	Beige
8754 runner	0.9m x 24m	Beige
8755 mat	0.6m x 1.2m	Beige
8756 runner	0.8m x 11m	Blue
8757 runner	0.8m x 24m	Blue
8758 runner	0.9m x 11m	Blue
8759 runner	0.9m x 24m	Blue
8760 mat	0.6m x 1.2m	Blue
8761 runner	0.8m x 11m	Grey
8762 runner	0.8m x 24m	Grey
8763 runner	0.9m x 11m	Grey
8764 runner	0.9m x 24m	Grey
8765 mat	0.6m x 1.2m	Grey

*Note: All 8750 runners and mats are delivered without grounding systems to allow selection from the wide range available. Also runners have no snap fasteners pre-installed.*

### Technical Data

Construction	2 layer - static dissipative top layer - conductive bottom layer
Resistance to ground	Typical value $5 \times 10^7 \Omega$ EN100015
Resistance snap to snap (conductive layer)	Typical value $5 \times 10^3 \Omega$
Hardness	60 Shore A
Thickness	1.7mm
Surface Flammability Resistance	DIN 51960 Class1
Resistance to heat or soldering irons	Class B2 3M Method

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