

#### **Technical Datasheet**

## ESD Floor Runners and Kits RoHS Compliant AFV Series

ESD Floor Runners are made of a gray color homogeneous polymer mix of durable PVC with ESD properties. ESD Floor Runners are ideal for production assembly rooms where an ESD safe area is required. These runners have a V-Groove emboss, which makes the mat slip resistant. The kit includes the mat, a heel grounder, and a grounding cord. ESD Floor Runners are designed to maintain a consistent discharge throughout the life of the mat with no noticeable deterioration of effectiveness.

**APPLICATIONS:** Aerospace Assembly, Computer Operators, Computer Technicians, Electronic Assembly, Fiber Optics Manufacturing, Hospitals, and Solar Industries.

### **CONSTRUCTION**

A homogeneous polymer mix of durable polyvinyl chloride, the AFV series solid matting is designed to provide a static-safe work area for a wide variety of applications when ESD properties are required.

# CHEMICAL RESISTANCE

They are resistant to degradation by inorganic acids, organic acids, reducing agents, detergent solutions, alcohols, aliphatic hydrocarbons, mineral oil, amines, and aldehydes.

## TYPICAL PHYSICAL PROPERTIES (1)

| COLOR                         | Gray   |
|-------------------------------|--|
| EMBOSS PATTERN                | V-Groove   |
| GAUGE /THICKNESS              | $0.125'' \pm 0.015$ ", 1/8"                              |
| TENSILE                       | 700 lbs./in. <sup>2</sup>                                |
| ELONGATION                    | 150%   |
| TEAR                          | 150 lbs./in.   |
| DUROMETER                     | $80 \pm 5$ , Shore A                                     |
| ESD PROPERTIES: Range @ 100V  | $10^8 - 10^9$ ohms/sq.                                   |
| SUGGESTED SERVICE TEMPERATURE | $-20  ^{\circ}\text{F to} + 160  ^{\circ}\text{F}^{(2)}$ |

<sup>(1)</sup> Specifications are subject to change at any time for a variety of reasons. If you have any questions, please call for the latest update.

Bertech® makes no warranty, representation, or guarantee regarding the information contained herein or the suitability of its this product for any particular purpose, nor does Bertech® assume any liability whatsoever arising out of the application or use of this product. It is ultimately the responsibility of the customer to determine a product's suitability for a particular application.

<sup>(2)</sup> This suggested range represents the general temperature range for most flexible vinyl products.