

# KAS Nylon Conductive Knit ESD Gloves

## ESD Technical Bulletin



### Electrostatic Decay in Combination with a Person

|                  |                                                             |
|------------------|-------------------------------------------------------------|
| <b>Standard:</b> | Rate of decay shall be less than 2.0 seconds @12%RH         |
| <b>Found:</b>    | +1kV to -100V Ave: 0.253 sec. -1kV to -100V Ave: 0.266 sec. |
| <b>Method:</b>   | Mil-STD-3010C, 4046 (Modified)@ 12%RH                       |

### Café Glove Resistance in Combination with a Person

|                |                                                            |
|----------------|------------------------------------------------------------|
| <b>Target:</b> | Less than $1.0 \times 10^{11}$ ohms @12%RH and 50%RH       |
| <b>Range:</b>  | Min: $5.6 \times 10^6$ ohms<br>Max: $3.8 \times 10^7$ ohms |
| <b>Method:</b> | ANSI/ESD SP15.1 @ 49.5%RH for 48 Hours                     |

### ESD Inside Shelf Life

|                     |                        |
|---------------------|------------------------|
| <b>Requirement:</b> | 5 Years                |
| <b>Found:</b>       | Indefinite for Storage |
| <b>Reference:</b>   | Contains no Antistats  |

### Surface Resistance

|                |                                                            |
|----------------|------------------------------------------------------------|
| <b>Target:</b> | Less than $1.0 \times 10^{11}$ ohms @12%RH                 |
| <b>Range:</b>  | Min: $1.1 \times 10^8$ ohms<br>Max: $3.8 \times 10^8$ ohms |
| <b>Method:</b> | ANSI/ESD STM11.11-2015 @ 49.5%RH for 48 Hours              |

### Surface Resistance

|                |                                                            |
|----------------|------------------------------------------------------------|
| <b>Target:</b> | Less than $1.0 \times 10^{11}$ ohms @12%RH                 |
| <b>Range:</b>  | Min: $3.2 \times 10^8$ ohms<br>Max: $6.1 \times 10^8$ ohms |
| <b>Method:</b> | ANSI/ESD STM11.11-2015 @ 10.1%RH for 48 Hours              |

## KAS Nylon Conductive Knit ESD Gloves

### Volume Resistance

**Standard:** Less than  $1.0 \times 10^{11}$  ohms @12%RH  
**Range:** Min:  $7.3 \times 10^7$  ohms  
Max:  $1.2 \times 10^8$  ohms  
**Method:** ANSI/ESD STM11.12-2015 @  
49.5%RH for 48 Hours

### Volume Resistance

**Standard:** Less than  $1.0 \times 10^{11}$  ohms @12%RH  
**Range:** Min:  $2.7 \times 10^7$  ohms  
Max:  $8.4 \times 10^8$  ohms  
**Method:** ANSI/ESD STM11.12-2015 @ 10.1%RH  
for 48 Hours

Product Recommendations: The information presented herein is not guaranteed in any way, although to the best of QRP's knowledge and belief, it is true and accurate as of this date. Because the manner and conditions of use, handling, storage and other factors may involve a variety of safety, performance, or regulatory considerations unknown to QRP, users are responsible for determining the suitability of any QRP product for their specific purpose. QRP, Inc. does not warrant the results to be obtained in using any QRP product, and disclaims all liability with respect to the use, handling or further processing of any such product.

rev: 28Sept2016