

# PDWS Nitrile Palm Dip ESD Wave Solder Low Heat

## 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: 0.295 sec. -1kV to -100V Ave: 0.304 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: $1.6 \times 10^6$ ohms Max: $4.1 \times 10^6$ 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: $2.4 \times 10^7$ ohms Max: $1.3 \times 10^9$ 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: $3.6 \times 10^7$ ohms Max: $7.1 \times 10^7$ ohms
<b>Method:</b>	ANSI/ESD STM11.11-2015 @ 10.1%RH for 48 Hours

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Volume Resistance	
<b>Standard:</b>	Less than $1.0 \times 10^{11}$ ohms @12%RH
<b>Range:</b>	Min: $1.1 \times 10^7$ ohms Max: $3.5 \times 10^9$ ohms
<b>Method:</b>	ANSI/ESD STM11.12-2015 @ 49.5%RH for 48 Hours

Volume Resistance	
<b>Standard:</b>	Less than $1.0 \times 10^{11}$ ohms @12%RH
<b>Range:</b>	Min: $5.8 \times 10^7$ ohms Max: $8.8 \times 10^8$ ohms
<b>Method:</b>	ANSI/ESD STM11.12-2015 @ 10.1%RH for 48 Hours

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