



QRP Qualatrilite Series Nitrile Gloves

Static Decay per FTM 101C, Method 4046
Surface Resistivity per ASTM-D 257
Surface Resistance per ESD S11.11

Request: Test QRP Qualatrilite Series Nitrile Gloves using the method
Static Decay per FTM 101C, Method 4046
Surface Resistivity per ASTM D-257
Surface Resistance per ESD S11.11

Sample Description: 6 samples of QRP Qualatrilite Series Nitrile Gloves were chosen for random testing from the production line.

Method: Per FTM 101C, Method 4046, 3X5-inch test specimens were prepared and conditioned for 49 hours in a humidity control chamber (50% R.H.±2%/23°C)

Test Equipment Utilized:

Resistance Meter: Dr. Thiedig Milli-TO-2
ETS Model 803B Surface/Volume Resistivity Probe
ETS Model 809B Calibration Check Fixture
Humidity Control Chamber: ETS Model 506A/514
ETS Model 406C Static Decay Meter
ETS STM-1 System Test Module

Data Summary:

Static Decay per FTM 101C, Method 4046

Conditioning Environment 50% R.H.±2%/23°C	I.C volts	A.C volts	C/O	Decay @ +5kV Seconds	Decay @ -5kV Seconds
	0	5000	10%	0.01	0.01

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Surface Resistance/Resistivity per FTM 101C, Method 4046

Conditioning Environment 50% R.H. ± 23°C	Minimum	Maximum	Average
Surface Resistance	2.82X10 ⁷	3.16X10 ⁷	2.99X10 ⁷
Surface Resistivity	2.82X10 ⁸	3.16X10 ⁸	2.99X10 ⁸

Commentary:

The QRP Qualatrilite Series Nitrile Gloves meet the static decay parameters outlined in FTM 101C, Method 4046, as well as NFPA 99 (which references FTM 4046) with a static decay measurement of 0.02 seconds. The QRP Qualatrilite Series Nitrile Glove, with an average measurement of 2.99X10⁸ Ω /sq. qualifies as a static dissipative glove, suitable for use with Class II static sensitive devices. Suitability for use with Class I devices should be decided by the user on an individual basis.

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