

Test:
Seating – Resistance Measurement.

Basis:

Verify all components of an ESD chair demonstrate a low resistance path to ground.

Description:

A resistance reading is taken from 5 different points within the seat cushion and then again five different points from the back cushion. The average of all the points is provided as a single reading. All points must provide a resistance reading less than $1e9$ and the average must be less than $1e7$ to pass.

Pass (Check!)

The report:

A resistance reading is taken from 5 different points within the seat cushion and then again five different points from the back cushion. The average of all the points is provided as a single reading. All points must provide a resistance reading less than $1e9$ and the average must be less than $1e7$ to pass.

1 - ESD fabric, a Black Nylon Base and a Drag Chain.

seat: $1.4 e5$, back : $2.5 e5$

2 - ESD *Vinyl, a Black Nylon Base and a Drag Chain.

seat: $4.0e6$, back : $4.3e6$

3 - ESD Fabric, an Aluminum Base and ESD Casters.

seat: $1.9e5$, back : $3.2e5$

4 - ESD *Vinyl, an Aluminum Base and ESD Casters

seat: $4.6e6$, back : $4.5e6$

Note: BenchPro™ Seating made with BenchPro™ ESD fabrics have a very consistent resistance due to the carbon defused nylon filaments in each yarn bundle.

*Current tests of Vinyl ESD seating produced exceptionally low resistance.