

Professionally approved products.

Datasheet

Conductive ESD-Safe Box, 267 x 216 x 64mm

RS Stock number [539-227](#)



SPECIFICATIONS

Properties

Electrostatic Decay

Surface Resistance

High-Voltage Discharge Resistance

Discharge Shielding

Current-Carrying Hazard

Corrosivity

Antistat Transfer

Water & Isopropyl Alcohol Extraction

Tests for Antistat Permanence

Sloughing Test

Recyclability

Biodegradability

Volume Conductivity

Shelf Life

Typical Values

0.01 seconds at 72°F and 11.8% R.H.

1×10^9 to $< 1 \times 10^{11}$ ohms

Failure rate 0/5 (no oxide damage in five consecutive tests)

< 50 Nano Joules

10^{-3} mA at 110V; 10^{-3} mA at 220V

Contains 1-3 ppm reducible sulphur

No transfer

Surface resistance 1×10^8 to $< 1 \times 10^9$ ohms/square at 74°F and 36% R.H.

Negligible surface damage at 10 cycles and <5% of surface damage at 200 cycles in Taber Abrasion Test.

No conductive particles abraded from surface

Complete recyclability of package

Biodegradation in or on moist soil

Conductivity from wall to wall as well as across surface to assure permanence of the antistatic property

Indefinite

Features

- Efficient means of shipping or storing ESD sensitive circuit boards and other items
- Provides ESD shielding with lid closed; "Faraday Cage" effect restricts electrostatic charges to exterior
- For physical protection, convoluted foam secures items, minimizing movement and reduces stress from physical shock
- No assembly required
- Convoluted static dissipative $< 10^{11}$ ohms polyurethane pink foam laminated to top and fitted in bottom