



Technical Data Sheet

SEALEZE® Static Control Brush with Aluminum Holder

Product No. SFB115BL20CF

Construction:

Filament: 20% conductive nylon filament, 0.010" diameter, with chemically bonded carbon; 80% type 6 nylon

Channel and Core Wire: galvanized steel

Holder: clear anodized aluminum

Static Decay:

Target: Rate of decay shall be less than 2.0 seconds

Found: +1000v to +100v in 0.010 seconds

-1000v to -100v in 0.010 seconds

Method: Modification of EIA 541, Appendix F

Surface Resistance of Brush Fibers:

ESDS541: Conductive Range $<1.0 \times 10^4$ ohms

Found: Average: 5.3872×10^3 ohms-cm @ 2.0 volts

Method: ANSI/ESD STM11.11-2001

Two-Point Resistance of Brush Fibers:

ESDS541: Conductive Range $<1.0 \times 10^4$ ohms

Found: Average: 2.3107×10^2 ohms @ 2.0 volts

Method: ANSI/ESD STM11.13-Draft Standard

Two-Point Resistance of Mounting Bracket:

ESDS541: Static Dissipative $>1.0 \times 10^4$ - $<1.0 \times 10^{11}$ ohms

Found: Average: 6.5938×10^9 ohms @ 100 volts

Method: ANSI/ESD STM11.13-Draft Standard

Continuity from Mounting Bracket to Brush Fibers:

Target: Conductive Range $<1.0 \times 10^4$ ohms (No Standard)

Found: Average: 1.850×10^2 ohms @ 10.0 volts

Method: Prostat 801 Resistance System with 2 Leads

Continued on page 2



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Tribo Charge Generation (Highest Peak Voltage):

Requirement: No Established Standard

Found: 10,240 volts to 2,235 volts @ 20%RH

10,240 volts to 2,025 volts @ 50%RH

Reference: Static Sensor Placement near Substrate after Contact¹

ESD Inside Shelf Life (Storage):

Requirement: 5 Years

Found: Indefinite

Reference: Contains no antistats

Note: ¹Results may vary from location to location. ESDS541 = ANSI/ESD S.541-2003 Form: ESD2-05/9/04

Since different levels of ESD protection are required for different devices, all users should perform their own tests to prove the suitability of the static control brush material for specific applications. User assumes all liability regarding damage or loss arising from use of products. User shall determine the applications of these materials for the intended application(s), and assumes total liability in the event of aforementioned damages.