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These tests were conducted by an independent laboratory.
Copies of the entire report are available upon request by
phone at 1-800-446-7325
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Technical Data Sheet

Sealeze Brush Product No. SFB110AS (AntiStatic)

Sealeze Static Control Brush with aluminum holder

Construction: Filament – 100% nylon filament, 0.010" diameter, with impregnated conductive carbon
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 >2.0 Seconds

-1000v to -100v in >2.0 seconds

Method: Modification of EIA 541-1988, Appendix F

SURFACE RESISTIVITY OF BRUSH FIBERS

DoD Hnbk263: Limit: $<1.0 \times 10^{14}$ ohms/square (1.0×10^{13} ohms) [Antistatic Range]

Found: Average: 1.16×10^{13} ohms/square
(1.16×10^{12} ohms) @ 100 volts

Method: ASTM D257-99

TWO-POINT RESISTANCE OF BRUSH FIBERS THROUGH INNER BAR:

ESDS541: Static Dissipative Range $<1.0 \times 10^{11}$ ohms

Found: Average: 3.38×10^{11} ohms @ 100 volts

Method: ANSI/ESD STM11.13-2004

TWO-POINT RESISTANCE OF MOUNTING BRACKET:

ESDS541: Static Dissipative Range 1.0×10^4 to $<1.0 \times 10^{11}$ ohms

Found: Average: 3.72×10^8 ohms @ 100 volts

Method: ANSI/ESD STM11.13-2004

CONTINUITY FROM MOUNTING BRACKET GROUND TO BRUSH FIBERS:

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

Static Dissipative Range $<1.0 \times 10^{11}$ ohms

Found: Average: 3.68×10^{11} ohms @ 100 volts

Method: Modification of ANSI/ESD STM4.1-1997

TRIBO CHARGE GENERATION (HIGHEST PEAK VOLTAGES):

Requirement: No Established Standard

Found: +10,240 volts to +4,865 volts @ 20%RH

+10,240 volts to +3,680 volts @ 50%RH

Reference: Static Sensor Placement near Substrate after Contact¹

ESD INSIDE SHELF LIFE (Storage without use)

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.