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 x 10\(^{14}\) ohms/square (1.0 x 10\(^{13}\) ohms) [Antistatic Range]
Found: Average: 1.16 x 10\(^{13}\) ohms/square
       (1.16 x 10\(^{12}\) ohms) @ 100 volts
Method: ASTM D257-99

TWO-POINT RESISTANCE OF BRUSH FIBERS THROUGH INNER BAR:
ESDS541: Static Dissipative Range <1.0 x 10\(^{11}\) ohms
Found: Average: 3.38 x 10\(^{11}\) ohms @ 100 volts
Method: ANSI/ESD STM11.13-2004

TWO-POINT RESISTANCE OF MOUNTING BRACKET:
ESDS541: Static Dissipative Range 1.0 x 10\(^{4}\) to <1.0 x 10\(^{11}\) ohms
Found: Average: 3.72 x 10\(^{9}\) ohms @ 100 volts
Method: ANSI/ESD STM11.13-2004

CONTINUITY FROM MOUNTING BRACKET GROUND TO BRUSH FIBERS:
Target: Conductive Range <1.0 x 10\(^{4}\) ohms (No Standard)
        Static Dissipative Range <1.0 x 10\(^{11}\) ohms
Found: Average: 3.68 x 10\(^{11}\) ohms @ 100 volts

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 Contact\(^1\)

ESD INSIDE SHELF LIFE (Storage without use)
Requirement: 5 Years
Found: Indefinite
Reference: Contains no antistats

Note: \(^1\)Results 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.

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