SEALEZE® Static Control Brush with Aluminum Holder
Product No. SSG515AT2D

Construction:
Filament: 100% Thunderon® acrylic filament, 0.0015" diameter, with chemically bonded copper sulfide.
Tuft Spacing: 0.25"
Holder: clear anodized aluminum

Static Decay:
Target: Rate of decay shall be less than 2.0 seconds
Found: +1000v to +100v in 0.020 seconds
        -1000v to –100v in 0.040 seconds
Method: Modification of EIA 541-1988, Appendix F

Two-Point Surface Resistance of Brush Fibers:
ESDS541: Static Dissipative Range 1.0×10^4 to $<1.0 \times 10^{11}$ ohms
Found: Average: 2.43×10^4 ohms @ 10 volts
Method ANSI/ESD STM11.13-2004

Point to Point (RTG) Resistance of Brush Fibers to Ground on Bracket:
ESDS541: Static Dissipative Range 1.0×10^4 to $<1.0 \times 10^{11}$ ohms
Found: Average: 3.47×10^5 ohms @ 10 volts
Method ANSI/ESD STM4.1-1997 Modification

Two-Point Resistance of Mounting Bracket:
ESDS541: Static Dissipative $>1.0 \times 10^4$ - $<1.0 \times 10^{11}$ ohms
Found: Average: 4.77×10^8 ohms @ 100 volts
Method: ANSI/ESD STM11.13-2004

Continuity from Mounting Bracket to Brush Fibers Through Inner Bar:
Target: Static Dissipative Range 1.0×10^4 to $<1.0 \times 10^{11}$ ohms
Found: Average: 2.06×10^5 ohms @ 10 volts
Method ANSI/ESD STM4.1-1997 Modification (No Standard)

Technical Data Sheet

SEALEZE® Static Control Brush with Aluminum Holder
Product No. SSG515AT2D

Tribo Charge Generation (Highest Peak Voltage):
Requirement: No Established Standard
Found: 10,240 volts to +2,265 volts @ 20%RH
　　　　10,240 volts to +1,785 volts @ 50%RH
Reference: Static Sensor Placement near Substrate after Contact[1]

ESD Inside Shelf Life (Storage):
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.