



Technical Data Sheet

SEALEZE® Static Control Brush with Aluminum Holder Product No. SSG515AT1D

Construction:

Filament: 100% Thunderon® acrylic filament, 0.0015" diameter, with chemically bonded copper sulfide
Tuft Spacing: 0.5"
Holder: clear anodized aluminum

Static Decay:

Target: Rate of decay shall be less than 2.0 seconds
Found: +1000v to +100v in 0.040 seconds
-1000v to -100v in 0.050 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: 3.22×10^4 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: 3.07×10^3 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: 4.87×10^8 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: 4.48×10^4 ohms @ 10 volts
Method ANSI/ESD STM4.1-1997 Modification (No Standard)

Continued on page 2



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Tribo Charge Generation (Highest Peak Voltage):

Requirement: No Established Standard

Found: 10,240 volts to +2,015 volts @ 20%RH

10,240 volts to +1,510 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.