



8000 Whitepine Rd. Richmond VA 23237  
www.sealeze.com

These tests were conducted by an independent laboratory.  
Copies of the entire report are available upon request by  
phone at 1-800-446-7325  
or by e-mail at [industrial@sealeze.com](mailto:industrial@sealeze.com)

## Technical Data Sheet

### Sealeze Brush Product No. SSG515AT2D

Sealeze Static Control Brush with aluminum holder

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

#### 2-POINT SURFACE RESISTANCE OF BRUSH FIBERS:

ESDS541: Static Dissipative Range  $1.0 \times 10^4$  to  $<1.0 \times 10^{11}$  ohms  
Found: Average:  $2.43 \times 10^4$  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  $1.0 \times 10^4$  to  $<1.0 \times 10^{11}$  ohms  
Found: Average:  $3.47 \times 10^5$  ohms @ 10 volts  
Method: ANSI/ESD STM4.1-1997 Modification

#### TWO-POINT RESISTANCE OF MOUNTING BRACKET:

ESDS541: Static Dissipative Range  $1.0 \times 10^4$  to  $<1.0 \times 10^{11}$  ohms  
Found: Average:  $4.77 \times 10^8$  ohms @ 100 volts  
Method: ANSI/ESD STM11.13-2004

#### CONTINUITY FROM MOUNTING BRACKET TO BRUSH FIBERS THROUGH INNER BAR:

Target: Static Dissipative Range  $1.0 \times 10^4$  to  $<1.0 \times 10^{11}$  ohms  
Found: Average:  $2.06 \times 10^5$  ohms @ 10 volts  
Method: ANSI/ESD STM4.1-1997 Modification (No Standard)

#### TRIBO CHARGE GENERATION (HIGHEST PEAK VOLTAGES):

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<sup>1</sup>

#### ESD INSIDE SHELF LIFE (Storage):

Requirement: 5 Years  
Found: Indefinite  
Reference: Contains no antistats

Note: <sup>1</sup>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.