



METAL-IN STATIC SHIELD BAGS WITH ZIP TOP

Specifications:

Standard Document
ANSI/ESD S541 (ANSI/ESD S20.20)
ANSI/ESD S11.4

Electrical Properties

Surface Resistance:
Outer Surface
Inner Surface
Discharge Shielding
Charge Generation

Capacitance Probe (to dissipate 1 KV)

Typical Values

1×10^4 to $< 1 \times 10^{11}$ ohms
 1×10^4 to $< 1 \times 10^{11}$ ohms
<20 nJ
Teflon: 0.09 nC/sq. in
Quartz: 0.01 nC/sq. in
<30 volts

Physical Properties

Film Thickness
Width (Inside Dimensions)
Length (Inside Dimensions)
Light Transmission
Heat Seal
Tensile Strength
Puncture Resistance
Non-corrosive
Silicone
Marking Adhesion

Nominal 3.0 mil (0.07 mm) $\pm 10\%$
Nominal -0" / + 0.250"
Nominal ± 0.125 "; Offset 0 to 1/4"
>40 % (Tobias)
>10 lbs/in
4600 PSI, 32 MPa
>10 lbs
Pass
Not detected
Pass

Meets Requirements of:

ESD Protective Packaging
Level 3 Technical Requirements

Test Procedures/Method

ANSI/ESD STM11.11
ANSI/ESD STM11.11
ANSI/ESD STM11.31, EIA 541
Modified Incline Plane
Modified Incline Plane
ANSI/EIA-541/Appendix E, 1kV Discharge

MIL-STD-3010, 1003

ASTM D-1003
375 °F, 1/2 sec 60 psi
ASTM D882
MIL-STD-3010, 2065
MIL-STD-3010, M3005
FTIR
IPC-TM-650 2.4.1

RS Item #	Width	Length
4319522	100 mm	100 mm
4319538	100 mm	150 mm
1908432	125 mm	200 mm
4319544	150 mm	200 mm
4319550	255 mm	305 mm
4319566	305 mm	405 mm
4319572	455 mm	455 mm
1908430	50 mm	75 mm
1908431	75 mm	125 mm

RS Item #	Width	Length
1908432	125 mm	200 mm
1908433	150 mm	255 mm
1908434	200 mm	255 mm
1908435	255 mm	355 mm
1908436	305 mm	455 mm
1908437	355 mm	455 mm
1908439	455 mm	610 mm

ANSI/ESD S541 Section 6.2 Outside an EPA

"Transportation of sensitive products outside of an EPA shall require packaging that provides:

1. Low charge generation
2. Dissipative or conductive materials for intimate contact
3. A structure that provides electrostatic discharge shielding."

Tolerances:
Width: -0, +6.4 mm
Length: ± 3.2 mm
Opening offset: 0 – 6.4 mm

Unless otherwise noted, tolerance $\pm 10\%$

Specifications and procedures subject to change without notice.



Made in the United States of America



METAL-IN STATIC SHIELD BAGS WITH ZIP TOP, 3.0 MIL (0.07 mm)

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Drawing Number
RS-431-9522

DATE:
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