

# Datasheet

## Anti-Static Heat Seal ESD-Safe Bag

RS Stock number [182-8792](#)



### Description

- Shielding bags are designed to protect ESD sensitive components and assemblies from all harmful aspects of static electricity. Their Faraday cage design ensures ESD safety.
- Critical metal layer is sandwiched between static-dissipative layers to protect the static shield.
- Surface resistivity of the metal layer is less than  $10^2$  OHMS per square to shield against static charges.
- Static-dissipative polyethylene inner layer is amine-free, polycarbonate compatible and octanoic acid –free.

### Specifications

- |                        |               |
|------------------------|---------------|
| • Closure Type         | • Heat Seal   |
| • Height               | • 5in         |
| • Material Properties  | • Anti-Static |
| • Quantity per Package | • 100 Each    |
| • Width                | • 3in         |



Electrical Properties	Typical Values	Test Method
<ul style="list-style-type: none"><li>Surface Resistance</li></ul>		
<ul style="list-style-type: none"><li>Outer Surface</li></ul>	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	IEC 61340-2-3
<ul style="list-style-type: none"><li>Inner Surface</li></ul>	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	IEC 61340-2-3
<ul style="list-style-type: none"><li>Discharge Shielding</li></ul>	<20 n J	ANSI/ESD STM11.31
<ul style="list-style-type: none"><li>Charge Generation</li></ul>	Teflon: 0.09 nC/sq. in. Quartz: 0.01 nC/sq. in.	Modified Incline Plane Modified Incline Plane
<ul style="list-style-type: none"><li>Capacitance Probe (to dissipate 1 KV)</li></ul>	<30V	EIA 541
<ul style="list-style-type: none"><li>Chemical Properties</li></ul>		
<ul style="list-style-type: none"><li>Corrosion</li></ul>	No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel	
<ul style="list-style-type: none"><li>Polycarbonate Capability</li></ul>	Yes	