### STATSHIELD® METAL-IN SERIES

**Specifications:**

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

**Electrical Properties**

<table>
<thead>
<tr>
<th>Property</th>
<th>Typical Values</th>
</tr>
</thead>
<tbody>
<tr>
<td>Surface Resistance:</td>
<td></td>
</tr>
<tr>
<td>Outer Surface</td>
<td>$1 \times 10^4 \text{ to } &lt; 1 \times 10^{11}$ ohms</td>
</tr>
<tr>
<td>Inner Surface</td>
<td>$1 \times 10^4 \text{ to } &lt; 1 \times 10^{11}$ ohms</td>
</tr>
<tr>
<td>Discharge Shielding</td>
<td>$&lt;20 \text{ nJ}$</td>
</tr>
<tr>
<td>Charge Generation</td>
<td>Teflon: $0.09 \text{ nC/sq. in.}$</td>
</tr>
<tr>
<td>Capacitance Probe</td>
<td>Quartz: $0.01 \text{ nC/sq. in.}$</td>
</tr>
</tbody>
</table>

**Physical Properties**

- **Film Thickness:** Nominal 3.0 mil (0.07mm) ±10%
- **Width (Inside Dimensions):** Nominal -0” / + 0.250”
- **Length (Inside Dimensions):** Nominal ± 0.125”; Offset 0 to 1/4”
- **Light Transmission:** >40% (Tobias) ASTM D-1003
- **Heat Seal:** >10 lbs/in
- **Tensile Strength:** 4600 PSI, 32 MPa ASTM D682
- **Puncture Resistance:** >10 lbs MIL-STD-3010, 2065
- **Silicone:** Not detected FTIR

**RoHS, REACH, and Conflict Minerals Statement:**


**Limited Warranty**

See Desco’s Limited Warranty at Desco.com

### Mixed Unsortable Plastic Scrap

Mixed unsortable plastic scrap shall contain assorted plastics of multiple grades that are co-extruded, bonded or laminated together which are unsortable into individual grades.

**Desco’s bags are recyclable**

Statshield® bags are packaged 100 per package in an oversized shielding bag. See Shielding Bag Storage at TB-7057.

### 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.”

**RoHS, REACH, and Conflict Minerals Statement:**

See Bag Selection Chart Click HERE.

**Specifications and procedures subject to change without notice.**