

# DESCO BAG SELECTION CHART

PRODUCT DETAILS	Statshield® Standard Metal-In Bag	Statshield® Standard Metal-Out Bag	Statfree® Ultra Clear Bag	Statshield® Foil MBB Bag	Statshield® Standard MBB Bag	Statshield® High Puncture MBB Bag	Static Shielding Bubble Bag
Surface Resistance: Exterior <small>(per ANSI/ESD STM11.11)</small>	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>8</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms
Surface Resistance: Interior <small>(per ANSI/ESD STM11.11)</small>	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms	1 x 10 <sup>4</sup> to < 1 x 10 <sup>11</sup> ohms
ANSI/ESD S11.4 Level	Level 3	Level 3	Level 5	Level 1	Level 2	Level 2	Level 3
Discharge Shielding Energy Test <small>(per ANSI/ESD STM11.31)</small>	<20nJ	<20nJ	N/A	<10nJ	<10nJ	<10nJ	<20nJ
Thickness: Typical Value Nominal: ±10% <small>(MIL-STD-3010 METHOD 1003)</small>	0.0030" (0.0762mm)	0.0030" (0.0762mm)	0.0035" (0.0089mm)	0.0040" (0.1016mm)	0.0035" (0.0089mm)	0.0065" (0.1651mm)	0.0065" (0.1651mm)
Puncture - Average <small>(per MIL-STD 3010 2065)</small>	>12 lbs	>12 lbs	>19 lbs	>27 lbs	>20 lbs	>30 lbs	>25 lbs
Moisture barrier MVTR <small>(per ASTM F1249)</small>	N/A	N/A	0.35 (gms / 100 in <sup>2</sup> / 24 hrs, 100°F)	≤0.0003 (gms / 100 in <sup>2</sup> / 24 hrs, 100°F) <a href="#">Test Report</a>	≤0.02 (gms / 100 in <sup>2</sup> / 24 hrs, 100°F) <a href="#">Test Report</a>	≤0.014 (gms / 100 in <sup>2</sup> / 24 hrs, 100°F) <a href="#">Test Report</a>	N/A
Non-corrosive <small>(per FTMS 101C/4046)</small>	Pass	Pass	Pass	Pass	Pass	Pass	Pass
Silicone <small>(ASTM E168)</small>	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected	Not Detected
HEAT SEALING CONDITIONS:  (Temperature) (Time- Dwell) (Pressure)	250-375°F 0.56 -3.5 sec 40-80 psi	250-375°F 0.56 -3.5 sec 40-80 psi	250-375°F 0.56 -3.5 sec 40-80 psi	375-475°F 0.56 -3.5 sec 40-80 psi	350-475°F 0.56 -3.5 sec 40-80 psi	350-475°F 0.56 -3.5 sec 40-80 psi	Not Recommended

**Standards:** Meets the requirements of ANSI/ESD S20.20, Packaging Standard, ANSI/ESD S541, and Static Control Bag ANSI/ESD S11.4.

### RoHS 2 and REACH Compliance Statement

None of the RoHS 2 restricted materials or REACH substances of very high concern as of 2013/06/20 are intentionally added in manufacturing this product. Ref: European Union Directive 2011/65/EU and Regulation (EC) No. 1907/2006/CE. See Desco [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**

- For custom bags with special features including sizes and printing, click [HERE](#).
- See Shielding Bag Storage at [TB-7057](#).



Statshield® bags are manufactured in the United States of America at our Canton, Massachusetts facility. See our bags being made live at our factory [here](#).

Desco converts a variety of laminated barrier materials into flexible packaging solutions at our Canton, MA location. Our resources allow us to manufacture an array of ESD packaging solutions. Bag sizes range from 2" x 2" up to 36" x 36". Custom printing and other options are available. More information contact us [HERE](#).

Bags made in USA and UK. Film made in USA and Malaysia.

