Why Choose
Desco Statshield®
Metal In Premium ESD Bags?

IS INTERIOR IONIC CONTAMINATION OR OUTGASING A CONCERN FOR YOU?
IF IT IS, THEN Desco's ESD STATSHIELD?PREMIUM IS THE BAG FOR YOU.

NVR	<1.0 cm^2
Ionics	<10 ng/cm^2
Outgas	<500 PPM

SUPERIOR CLEANLINESS

Desco Industries is a leading manufacturer of high quality ESD Shielding Bags and Moisture Barrier Bags for the electronics industry. Desco's new Statshield® Metal In Premium ESD Bag film is manufactured with a low anion content. It does not contain the topically treated antistats that cause high anionic contamination, specifically Nitrates (NO_3) and Chlorides (CI). This Premium film is made from an extrusion lamination process which uses no solvent- based adhesives that could later outgas. Extrusion lamination uses a layer of molten plastic to adhere the layers of film together. This plastic is typically polyethylene, which is inert and inherently stable. Many other film laminators use an adhesive process. Solvent based adhesives, and to a lesser extent water based adhesives, contain solvents which can outgas and contaminate your products, an increasing concern as circuits on boards are now using silver based alloys and not lead based. Silver circuits will corrode faster when exposed to levels of chlorides and nitrates that are found in these commercial based films that used solvents based adhesives to glue up the laminated structure.

Superior ESD protection		**More Durable & Superior Packaging**	
Superior Charge Decay	<0.05 sec per FTMS 101C/4046	Puncture resistance	>12# per FTMS 101C/2065
Superior Shielding Less Energy Penetration	<15 nanojoules per ESD S11.31-1994	Stronger Tear Resistance	100 grams/mil per ASTM D1922
Better Resistance Values		Moisture barrier MVTR	0.35 grams per ASTM F1249-90

USE STATSHIELD® BAGS TO TRANSPORT AND STORE ESD SUSCEPTIBLE ITEMS

Per paragraph 6.2.4.2. Packaging Guidance of ANSI/ESD S20.20 "The objective of ESD protective packaging is to prevent a direct electrostatic discharge to the ESDS item contained within and allow for dissipation of charge from the exterior surface." Along with Desco's Statshield® standard Metal In and Metal Out ESD Bags, Statshield® Metal In Premium ESD Bags are designed to transport or store ESD susceptible items outside ESD protected areas, a requirement of ANSI/ESD S20.20. All Desco Statshield® Bags are reliable and ensure Faraday Cage shielding, but the Statshield® Metal In Premium ESD Bags are superior and provide the best durability.

All Desco Statshield® ESD Bag films satisfy ANSI/ESD S20.20 and are low tribocharging, dissipative, and create Faraday Cage shielding. Desco ESD Bags are manufactured in America at our Canton Massachusetts facility. Quality is controlled with the machine's soft-fold of the film, preventing scratches and creases within the metal layer of the bag. 3/8" wide seals produce a bag with greater sealing surface providing superior seal strength. We laminate our static shielding film by an extrusion/lamination process – no solvents and no adhesives in the traditional sense. Additionally, the polyethylene sealant layer in our bag laminations is the best and is not typically found in other films.

We refuse to put your products at risk. Use Desco's Statshield® Transparent Metal In Premium ESD Shielding Bags.

ANSI/ESD S20.20 Paragraph 6.2.4.2. Packaging Guidance

If the user does not know the sensitivity of the items being used, static shielding packaging should be used. The objective of ESD protective packaging is to prevent a direct electrostatic discharge to the ESDS item contained within and allow for dissipation of charge from the exterior surface. In addition, the packaging should minimize charging of the ESDS item in response to an external electrostatic field and triboelectrification. Users should be aware that some packaging materials may be humidity dependent and may have limited shelf life. They may also lose static shielding properties by crumpling, puncturing and folding. Packaging materials may outgas, contaminate or shed particles that may cause production-related problems. It is important that the Organization evaluate ESDS protective packaging materials for process, storage and environmental compatibility.