



920 JR INDUSTRIAL DRIVE, SANFORD, NC 27332 - (919) 718-0000 PHONE

SCS Static Shielding Bags and MIL-PRF-81705E

SCS is a division of Desco Industries, Inc. The SCS Static Shield Film 81705 Series P65M meets the requirements of MIL-PRF-81705E Type III, Class 2. ***This product is on the Qualified Product Listing under the Defense Standardization Program. Check our listing [here](#).*** Static Shielding bags converted from this qualified laminate film will meet MIL-PRF-81705E Type III, Class 2, and be compliant to MIL-DTL-117H Style 2.

The other series of SCS Static Shielding Bags are not on the MIL-PRF-81705E Qualified Products Database. See StaticControl.com and the series product data sheet which includes "This product is intended for commercial use only. This product is not on the Qualified Product Listing under the Defense Standardization Program". This item is made in compliance and meets our published specifications which are "Meets ANSI/ESD S20.20, Packaging standard ANSI/ESD S541, and Static Control Bag ANSI/ESD S11.4 Level 3". Click [HERE](#) for SCS Static Shielding Bag Selection Guide.

MIL-PRF-81705 is not a bag specification but rather "Barrier Materials, Flexible, Electrostatic Discharge Protective, Heat Sealable" that is a specification for film or laminate used to convert into bags. The United States Government Department of Defense maintains a Defense Standardization Qualified Product Database. The Mil-PRF-81705 Qualified Products Database can be found online.

There was litigation and threatened litigation regarding military standard MIL-PRF-81705. It was alleged that any reference to the 81705 performance specification falsely implied being on the Defense Standardization Qualified Product List. *Caltex Plastics, Inc. v. 3M Company et al.*, Case No. 2:11-cv-07400 RSWL (JEM) was settled in 2013 and included 3M Static Control removing all references to 81705 from all static shielding bag documentation.

Some users will be obligated by contract to use bags converted from laminate film that is on the Qualified Products Database, however, for the protection of ESD susceptible items, the commercial SCS static shielding bags are the cost effective alternative.

MIL-PRF-81705E does have a special marking requiring a very distinctive, large, continuous laminate film marking. The other series of SCS bags do not have this military marking.

On January 2, 2015 Desco Industries, Inc. of Chino, California purchased the assets of 3M's Static Control business. Since then, for example, the Series 1000 static shielding bags, there have been no changes to manufacturing location, process, materials, testing, or personnel.

Gene Felder
Corporate Product Manger
2016/12/21