



**RoHS and REACH Compliance Statement**

None of the RoHS restricted materials or REACH substances of very high concern are intentionally added in manufacturing this product. Ref: Directive 2002/95/EC Article 4.1. and Regulation (EC) No. 1907/2006. See Desco Industries Inc. Limited Warranty at [Desco.com](http://Desco.com).

Per ANSI/ESD S541 section 7.2.2 Resistance of Dissipative Materials "A static dissipative material shall have a surface resistance of greater than or equal to  $1.0 \times 10^4$  ohms but less than  $1.0 \times 10^{11}$  ohms. Packaging materials that are in intimate contact with devices should be dissipative."

"It should be understood that any object, item, material or person could be a source of static electricity in the work environment. Removal of unnecessary nonconductors, replacing nonconductive materials with dissipative or conductive materials and grounding all conductors are the principle methods of controlling static electricity in the workplace, regardless of the activity." [ESD Handbook ESD TR20.20-2008 section 2.4 Sources of Static Electricity]

**Description:**

Desco's heavy weight (6 mil) sheet protector is made from a static dissipative coextruded polyolefin material. The triboelectric charge generation of the material is negligible (tested per EIA-541) to make them safe for use around ESD susceptible items. They are designed for top loading a standard 8.5" x 11" sheet of paper and have a standard 3-hole punch for use with a binder.

**Electrical Properties:**

Static Decay: < 1.0 sec. per FTMS 101C, Method 4046  
 Surface Resistance:  $1 \times 10^4 < 1 \times 10^{11}$  ohms per ANSI/ESD STM11.11

**Specifications:**

Polycarbonate Haze: Negligible per 72 hour contact  
 Corrosivity: Negligible per FTMS 101C-3005  
 Melt Index: .050 gm/10 min. per ASTM D-1238  
 Density: 0.923 gm/cc per ASTM D-1505  
 Haze: 10% per ASTM D-1003  
 60° gloss: 90 per ASTM D-2457  
 45° gloss: 56 per ASTM D-2457  
 Dart impact: 230 gms per ASTM D-1709  
 Coefficient of friction: 0.50 per ASTM D-1894  
 N-Octanoic Acid Free  
 Has No Measurable Outgassing

Sheet protector has holes for standard US three ring binder.  
 Wording across ring hole area:

"DESCO IND. INC. #07470 STATIC SAFE"



Made in the United States of America

Inside Dimension Tolerances are -0/+1/4" unless specified  
 Specifications and procedures subject to change without notice.

**STATFREE® SHEET PROTECTOR, STATIC SAFE, 6 MIL**

DESCO WEST: 3651 WALNUT AVE., CHINO, CA 91710 WEB SITE: [Desco.com](http://Desco.com)  
 PHONE (909) 627-8178  
 DESCO EAST: ONE COLGATE WAY, CANTON, MA 02021-1407  
 PHONE (781) 821-8370

**DRAWING NUMBER**  
 07470

**DATE:**  
 April  
 2012

