



Chipsmall Limited consists of a professional team with an average of over 10 year of expertise in the distribution of electronic components. Based in Hongkong, we have already established firm and mutual-benefit business relationships with customers from,Europe,America and south Asia,supplying obsolete and hard-to-find components to meet their specific needs.

With the principle of "Quality Parts,Customers Priority,Honest Operation,and Considerate Service",our business mainly focus on the distribution of electronic components. Line cards we deal with include Microchip,ALPS,ROHM,Xilinx,Pulse,ON,Everlight and Freescale. Main products comprise IC,Modules,Potentiometer,IC Socket,Relay,Connector.Our parts cover such applications as commercial,industrial, and automotives areas.

We are looking forward to setting up business relationship with you and hope to provide you with the best service and solution. Let us make a better world for our industry!



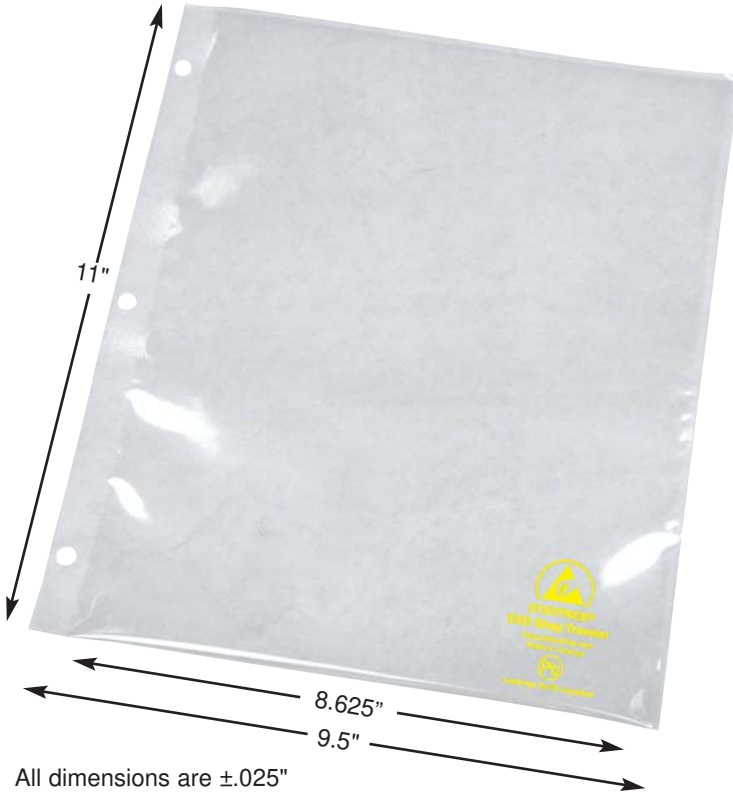
## Contact us

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Address: A1208, Overseas Decoration Building, #122 Zhenhua RD., Futian, Shenzhen, China





All dimensions are  $\pm 0.025$ "

### Description:

This product is designed for use in ESD controlled areas where there are ESD sensitive devices and the area is designated as "Lead-Free". All shop travelers are made from a polyester/polyolefin laminated structure. They can be cleaned for use in Class 100 Clean Rooms. This product is designed to hold 8 1/2" x 11" sheets and meets or exceeds the requirements of MIL-PRF-81705D, Type II.

### Electrical Properties:

Electrostatic Decay:	< 0.05 sec.	per FTMS 101C, Method 4046
Surface Resistance:	< 10E11 Ohms	per ANSI-ESD S11.11
ElectroStatic Charge Generation:	< 50 volts	per EIA-541

### Specifications:

Corrosivity:	Negligible	per FTMS 101C-3005
Elongation @ Break:	500-800%	per ASTM D882
Ball Burst Impact Strength:	20-30 cm/kg	per ASTM D-3420
Transparency:	>90%	per ASTM D-1003
Puncture Resistance:	>10 lbs average	per FTMS 101C-2065
Coefficient of Friction:	0.3 Kinetic, Film to Film	per ASTM D-1894
Tensile strength	MD 5,700 psi TD 6,500 psi	per ASTM D-882
Tear strength	MD 3.0 lbs TD 2.2 lbs	per ASTM D-1004

### Chemical Properties:

Corrosion	No effect on aluminum, copper, silver, Sn-Pb coated foil, stainless steel, low carbon steel
Polycarbonate Compatible	Yes
No Amines or N-Octanoic Acid	Not present

### Heat Sealing Conditions:

Temperature:	375-400°F
Time:	0.5 - 4.5 seconds
Pressure:	Minimum 60 PSI

Note: Per ANSI/ESD S541 FOREWORD "This document is a substantial refinement of Electronic Industries Association Standard EIA-541-1988. Updates include the adoption of surface resistance (Ohms) in place of surface resistivity (Ohms/square)"

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."

#### RoHS Compliance Statement

None of the following materials are intentionally added in manufacturing this product: lead, mercury, cadmium, hexavalent chromium, polybrominated biphenyls (PBB) or polybrominated diphenyl ethers (PBDE) as outlined in the Directive 2002/95/EC Article 4.1. See Desco Industries Inc. letter on-line at [ProtektivePak.com](http://ProtektivePak.com).

### SHOP TRAVELER, RoHS, 3mil, 9.5" x 11" O.D., 8.625" x 11" I.D

# PROTEKTIVE PAK

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