



## Features

- Efficient means of shipping or storing ESD sensitive circuit boards and other items
- Provides ESD shielding with lid closed; "Faraday Cage" effect restricts electrostatic charges to exterior
- For physical protection, convoluted foam secures items, minimizing movement and reduces stress from physical shock
- No assembly required
- Convoluted static dissipative <math><10^{11}</math> ohms polyurethane pink foam laminated to top and fitted in bottom
- Made in America

See reverse side for available sizes.

## SPECIFICATIONS

### Properties

Electrostatic Decay  
Surface Resistivity

Surface Resistivity, Low R.H. Cut-off  
High-Voltage Discharge Resistance  
Static Shielding  
Charged Device Model (CDM) Safety  
Current-Carrying Hazard  
Corrosivity  
Antistat Transfer  
Water & Isopropyl Alcohol Extraction Tests for Antistat Permanence  
Sloughing Test

Recyclability  
Biodegradability  
Volume Conductivity

Shelf Life

### Typical Values

0.01 seconds at 72°F and 11.8% R.H.  
 $10^7 - 10^8$  ohms/sq. after 11 days at 68°F and 12% R.H. for surface.  $10^3 - 10^4$  ohms/sq. for buried shielding layer  
 4% R.H.  
 Failure rate 0/5 (no oxide damage in five consecutive tests)  
 99.9% attenuation at 10kV; 99.6% attenuation at 30kV  
 RTG  $>10^7$  ohms at 86% R.H. or less  
 $10^3$  mA at 110V;  $10^3$  mA at 220V  
 Contains 1-3 ppm reducible sulfur  
 No transfer  
 Surface resistivity  $10^8 - 10^9$  ohms/square at 74°F and 36% R.H.  
 Negligible surface damage at 10 cycles and <math><5\%</math> of surface damage at 200 cycles in Taber Abrasion Test.  
 No conductive particles abraded from surface  
 Complete recyclability of package  
 Biodegradation in or on moist soil  
 Conductivity from wall to wall as well as across surface to assure permanence of the antistatic property  
 Indefinite

### Test Procedures/Method

FED-STD-101, Method 4046

### ASTM D257

Rockwell International Test Report of December 20, 1991  
 Rockwell International Test Report of December 20, 1991  
 EIA 541, appendix E, capacitive probe test  
 Rockwell International Test Report of December 20, 1991  
 ESD from A to Z

FED-STD-101, Method 3005 for reducible sulfur  
 Rockwell International Test Report of January 8, 1992  
 Rockwell International Test Report of January 8, 1992

ASTM D4060 at 70 rpm with CS-17 abrasive-coated wheels and 1000 grams load

Rockwell International Test Report of January 8, 1992  
 Rockwell International Test Report of January 8, 1992

Rockwell International Test Report of January 8, 1992



Made in America

## CIRCUIT BOARD SHIPPERS

# PROTEKTIVE PAK

PROTEKTIVE PAK  
 1350 MONTE VISTA AVENUE, CHINO, CA 91710  
 PHONE (909) 627-2578, FAX (909) 363-7331  
 www.protektivepak.com

DRAWING NUMBER  
 37050

DATE:  
 7/05

Item No.	Size I.D. - L x W x D
37050	4 x 4 x 2-1/8, box only
37051	4 x 4 x 2-1/8, box w/foam
37080	6-3/16 x 6 x 1-1/2, box only
37081	6-3/16 x 6 x 1-1/2, box w/ foam
37052	7 x 5 x 1-1/2, box only
37053	7 x 5 x 1-1/2, box w/ foam
37054	7 x 5 x 2-1/2, box only
37055	7 x 5 x 2-1/2, box w/ foam
37082	7 x 7 x 1-1/2, box only
37083	7 x 7 x 1-1/2, box w/ foam
37056	9 x 7-1/2 x 2-1/2, box only
37057	9 x 7-1/2 x 2-1/2, box w/foam
37084	9 x 9 x 1-1/2, box only
37085	9 x 9 x 1-1/2, box w/foam
37058	10-1/2 x 8-1/2 x 1-1/2, box only
37059	10-1/2 x 8-1/2 x 1-1/2, box w/foam
37060	10-1/2 x 8-1/2 x 2-1/2, box only
37061	10-1/2 x 8-1/2 x 2-1/2, box w/foam
37062	12-1/2 x 10-1/2 x 1-1/2, box only
37063	12-1/2 x 10-1/2 x 1-1/2, box w/foam
37064	12-1/2 x 10-1/2 x 2-1/2, box only
37065	12-1/2 x 10-1/2 x 2-1/2, box w/foam

Item No.	Size I.D. - L x W x D
37066	14-7/8 x 6-5/8 x 2, box only
37067	14-7/8 x 6-5/8 x 2, box w/foam
37068	15-1/2 x 12-1/2 x 1-1/2, box only
37069	15-1/2 x 12-1/2 x 1-1/2, box w/foam
37070	15-1/2 x 12-1/2 x 2-1/2, box only
37071	15-1/2 x 12-1/2 x 2-1/2, box w/foam
37072	16 x 12-1/4 x 3-1/2, box only
37073	16 x 12-1/4 x 3-1/2, box w/foam
37086	16 x 15 x 3, box only
37087	16 x 15 x 3, box w/foam
37074•	18-7/8 x 17-5/8 x 1-3/4, box only
37075•	18-7/8 x 17-5/8 x 1-3/4, box w/foam
37088•	19 x 19 x 3, box only
37089•	19 x 19 x 3, box w/foam
37076•	20-1/2 x 15-1/2 x 1-1/2, box only
37077•	20-1/2 x 15-1/2 x 1-1/2, box w/foam
37078	20-1/2 x 15-1/2 x 2-1/2, box only
37079	20-1/2 x 15-1/2 x 2-1/2, box w/foam
37090•	22 x 15 x 3, box only
37091•	22 x 15 x 3, box w/foam
37092•	27-3/8 x 24-3/8 x 4, box only
37093•	27-3/8 x 24-3/8 x 4, box w/foam

- These items made to order