



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	Item No.	Size I.D. - L x W x D
37050	4 x 4 x 2-1/8, box only	37066	14-7/8 x 6-5/8 x 2, box only
37051	4 x 4 x 2-1/8, box w/foam	37067	14-7/8 x 6-5/8 x 2, box w/foam
37080	6-3/16 x 6 x 1-1/2, box only	37068	15-1/2 x 12-1/2 x 1-1/2, box only
37081	6-3/16 x 6 x 1-1/2, box w/ foam	37069	15-1/2 x 12-1/2 x 1-1/2, box w/foam
37052	7 x 5 x 1-1/2, box only	37070	15-1/2 x 12-1/2 x 2-1/2, box only
37053	7 x 5 x 1-1/2, box w/ foam	37071	15-1/2 x 12-1/2 x 2-1/2, box w/foam
37054	7 x 5 x 2-1/2, box only	37072	16 x 12-1/4 x 3-1/2, box only
37055	7 x 5 x 2-1/2, box w/ foam	37073	16 x 12-1/4 x 3-1/2, box w/foam
37082	7 x 7 x 1-1/2, box only	37086	16 x 15 x 3, box only
37083	7 x 7 x 1-1/2, box w/ foam	37087	16 x 15 x 3, box w/foam
37056	9 x 7-1/2 x 2-1/2, box only	37074•	18-7/8 x 17-5/8 x 1-3/4, box only
37057	9 x 7-1/2 x 2-1/2, box w/foam	37075•	18-7/8 x 17-5/8 x 1-3/4, box w/foam
37084	9 x 9 x 1-1/2, box only	37088•	19 x 19 x 3, box only
37085	9 x 9 x 1-1/2, box w/foam	37089•	19 x 19 x 3, box w/foam
37058	10-1/2 x 8-1/2 x 1-1/2, box only	37076•	20-1/2 x 15-1/2 x 1-1/2, box only
37059	10-1/2 x 8-1/2 x 1-1/2, box w/foam	37077•	20-1/2 x 15-1/2 x 1-1/2, box w/foam
37060	10-1/2 x 8-1/2 x 2-1/2, box only	37078	20-1/2 x 15-1/2 x 2-1/2, box only
37061	10-1/2 x 8-1/2 x 2-1/2, box w/foam	37079	20-1/2 x 15-1/2 x 2-1/2, box w/foam
37062	12-1/2 x 10-1/2 x 1-1/2, box only	37090•	22 x 15 x 3, box only
37063	12-1/2 x 10-1/2 x 1-1/2, box w/foam	37091•	22 x 15 x 3, box w/foam
37064	12-1/2 x 10-1/2 x 2-1/2, box only	37092•	27-3/8 x 24-3/8 x 4, box only
37065	12-1/2 x 10-1/2 x 2-1/2, box w/foam	37093•	27-3/8 x 24-3/8 x 4, box w/foam

- These items made to order