

Features

- Shields ESD sensitive items from charge and electrostatic discharges (with lid in place).
- Provides ESD and physical protection for ESD sensitive circuit boards.
- Impregnated corrugated material; greater durability than coated or printed material.
- Constructed with double sides, double (boxes under 6" deep) or triple (boxes over 6" deep) ends, and single (boxes under 6" deep) or double (boxes over 6" deep) thickness bottom for greater durability.
- Static dissipative surface of 10E6 - 10E8 ohms - minimizing the potential of rapid discharge or sparking.
- Buried shielding layer minimizing the potential of sloughing and rub-off contamination.
- Made from 100% recycled material, and is 100% recyclable
- No tooling costs.
- Easy assembly without the need for tape, glue, or staples.

**See reverse side
for available sizes.**

SPECIFICATIONS

Properties

Electrostatic Decay

Surface Resistance

Surface Resistance, Low R.H. Cut-off

High-Voltage Discharge Resistance

Static Shielding

Charged Device Model (CDM) Safety

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.

10E6 - 10E8 ohms/sq. after 11 days at 68°F and 12% R.H. for surface. 10E3 - 10E4 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 >10E7 ohms at 86% R.H. or less

Contains 1-3 ppm reducible sulfur

No transfer

Surface resistance 10E8 - 10E9 ohms/square at 74°F and 36% R.H.

Negligible surface damage at 10 cycles and <5% 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

FED-STD-101, Method 3005 for reducible sulfur

Rockwell International Test Report of January 8, 1992

Rockwell International Test Report of January 8, 1992

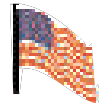
ASTM D4060 at 70 rpm with CS-17 abrasive-coated

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

CORRUGATED IN-PLANT HANDLERS

PROTEKTIVE PAK

PROTEKTIVE PAK
13520 MONTE VISTA AVENUE, CHINO, CA 91710
PHONE (909) 627-2578, FAX (909) 363-7331
ProtektivePak.com

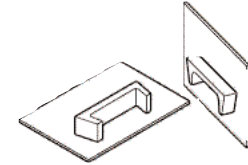
DRAWING NUMBER
37150.E

DATE:
6/07

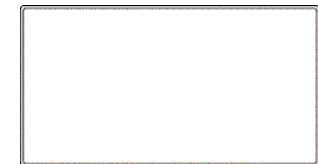
Item No.	Cell Size W x L x Th	# of Cells	Item No.	Cell Size W x L x Th	# of Cells	Item No.	Cell Size W x L x Th	# of Cells	Item No.	Cell Size W x L x Th	# of Cells
37233**/**	64 X 57 X 19 mm	60	37240	171 X 371 X 60 mm	5	37346	254 X 206 X 25 mm	24	37186	321 X 165 X 57 mm	15
37229**/**	64 X 57 X 44 mm	30	37157***	184 X 54 X 19 mm	60	37342	254 X 206 X 32 mm	20	37189	321 X 254 X 25 mm	20
37232**/**	64 X 121 X 19 mm	30	37153***	184 X 54 X 44 mm	30	37338	254 X 206 X 70 mm	10	37185	321 X 254 X 57 mm	10
37228**/**	64 X 121 X 44 mm	15	37156***	184 X 121 X 19 mm	30	37267	254 X 254 X 25 mm	20	37180	321 X 273 X 92 mm	6
37231**/**	64 X 184 X 19 mm	20	37152***	184 X 54 X 19 mm	15	37263	254 X 254 X 57 mm	10	37181	321 X 273 X 41 mm	12
37227**/**	64 X 184 X 44 mm	10	37155***	184 X 184 X 19 mm	20	37259*	254 X 273 X 41 mm	12	37188	321 X 511 X 25 mm	10
37230**/**	64 X 375 X 19 mm	10	37151***	184 X 184 X 44 mm	10	37258*	254 X 273 X 92 mm	6	37184	321 X 511 X 57 mm	5
37226**/**	64 X 375 X 44 mm	5	37154***	184 X 375 X 19 mm	10	37332*	254 X 324 X 32 mm	12	37309	324 X 197 X 25 mm	20
37225**/**	89 X 57 X 19 mm	60	37150***	184 X 375 X 44 mm	5	37331*	254 X 324 X 41 mm	10	37307	324 X 197 X 57 mm	10
37221**/**	89 X 57 X 44 mm	30	37398	203 X 102 X 32 mm	40	37330*	254 X 324 X 73 mm	6	37308	324 X 406 X 25 mm	10
37224**/**	89 X 121 X 19 mm	30	37394	203 X 102 X 70 mm	20	37329*	254 X 324 X 92 mm	5	37306	324 X 406 X 57 mm	5
37220**/**	89 X 121 X 44 mm	15	37305	203 X 121 X 25 mm	40	37345	254 X 422 X 25 mm	12	37380	356 X 102 X 32 mm	40
37223**/**	89 X 184 X 19 mm	20	37301	203 X 121 X 57 mm	20	37341	254 X 422 X 32 mm	10	37376	356 X 102 X 70 mm	20
37219**/**	89 X 184 X 44 mm	10	37297*	203 X 132 X 41 mm	24	37337	254 X 422 X 70 mm	5	37379	356 X 137 X 32 mm	30
37222**/**	89 X 375 X 19 mm	10	37296*	203 X 132 X 92 mm	12	37266	254 X 511 X 25 mm	10	37375	356 X 137 X 70 mm	15
37218**/**	89 X 375 X 44 mm	5	37397	203 X 137 X 32 mm	30	37262	254 X 511 X 57 mm	5	37372*	356 X 159 X 32 mm	24
37165**/**	137 X 57 X 19 mm	60	37393	203 X 137 X 70 mm	15	37257	273 X 117 X 25 mm	30	37371*	356 X 159 X 41 mm	20
37161**/**	137 X 57 X 44 mm	30	37390*	203 X 159 X 32 mm	24	37254	273 X 117 X 60 mm	15	37370*	356 X 159 X 73 mm	12
37164**/**	137 X 121 X 19 mm	30	37389*	203 X 159 X 41 mm	20	37256	273 X 181 X 25 mm	20	37369*	356 X 159 X 92 mm	10
37160**/**	137 X 121 X 44 mm	15	37388*	203 X 159 X 73 mm	12	37253	273 X 117 X 25 mm	10	37382	356 X 206 X 25 mm	24
37163**/**	137 X 184 X 19 mm	20	37387*	203 X 159 X 92 mm	10	37255	273 X 371 X 25 mm	10	37378	356 X 206 X 32 mm	20
37159**/**	137 X 184 X 44 mm	10	37304	203 X 165 X 25 mm	30	37252	273 X 371 X 60 mm	5	37374	356 X 206 X 70 mm	10
37162**/**	137 X 375 X 44 mm	10	37300	203 X 165 X 57 mm	15	37173***	286 X 57 X 19 mm	60	37368*	356 X 324 X 32 mm	12
37158**/**	137 X 375 X 44 mm	5	37400	203 X 206 X 25 mm	24	37169***	286 X 57 X 44 mm	30	37367*	356 X 324 X 41 mm	10
37211	149 X 102 X 32 mm	40	37396	203 X 206 X 32 mm	20	37172***	286 X 121 X 19 mm	30	37366*	356 X 324 X 73 mm	6
37207	149 X 102 X 70 mm	20	37392	203 X 206 X 70 mm	10	37168***	286 X 121 X 44 mm	15	37365*	356 X 324 X 92 mm	5
37210	149 X 137 X 32 mm	30	37303	203 X 206 X 70 mm	20	37171***	286 X 184 X 19 mm	20	37381	356 X 422 X 25 mm	12
37206	149 X 137 X 70 mm	15	37299	203 X 254 X 57 mm	10	37167***	286 X 184 X 44 mm	10	37373	356 X 422 X 70 mm	5
37203*	149 X 159 X 32 mm	24	37295*	203 X 273 X 41 mm	12	37170***	286 X 375 X 19 mm	10	37377	356 X 422 X 32 mm	10
37202*	149 X 159 X 41 mm	20	37294*	203 X 273 X 92 mm	6	37166***	286 X 375 X 44 mm	5	37281	387 X 121 X 25 mm	40
37201*	149 X 159 X 73 mm	12	37386*	203 X 324 X 32 mm	12	37362	305 X 102 X 32 mm	40	37277	387 X 121 X 57 mm	20
37200*	149 X 159 X 92 mm	10	37385*	203 X 324 X 41 mm	10	37358	305 X 102 X 70 mm	20	37273*	387 X 121 X 57 mm	24
37213	149 X 206 X 25 mm	24	37384*	203 X 324 X 73 mm	6	37361	305 X 137 X 32 mm	30	37272*	387 X 132 X 92 mm	12
37209	149 X 206 X 32 mm	20	37383*	203 X 324 X 92 mm	5	37357	305 X 137 X 70 mm	15	37280	387 X 165 X 25 mm	30
37205	149 X 206 X 70 mm	10	37399	203 X 422 X 25 mm	12	37354*	305 X 159 X 32 mm	24	37276	387 X 165 X 57 mm	15
37199*	149 X 324 X 32 mm	12	37395	203 X 422 X 32 mm	10	37353*	305 X 159 X 41 mm	20	37279	387 X 254 X 25 mm	20
37198*	149 X 324 X 41 mm	10	37391	203 X 422 X 70 mm	5	37352*	305 X 159 X 73 mm	12	37275	387 X 254 X 57 mm	10
37197*	149 X 324 X 73 mm	6	37302	203 X 511 X 25 mm	10	37351*	305 X 159 X 92 mm	10	37271*	387 X 273 X 41 mm	12
37196*	149 X 324 X 92 mm	5	37298	203 X 511 X 25 mm	5	37364	305 X 206 X 25 mm	24	37270*	387 X 273 X 92 mm	6
37212	149 X 422 X 25 mm	12	37251	203 X 511 X 25 mm	30	37360	305 X 206 X 32 mm	20	37278	387 X 511 X 25 mm	10
37208	149 X 422 X 32 mm	10	37248	203 X 511 X 25 mm	15	37356	305 X 206 X 70 mm	10	37274	387 X 511 X 57 mm	5
37204	149 X 422 X 70 mm	5	37250	203 X 511 X 25 mm	20	37350*	305 X 324 X 32 mm	12	37320	435 X 197 X 25 mm	20
37293	152 X 121 X 25 mm	40	37247	222 X 181 X 60 mm	10	37349*	305 X 324 X 41 mm	10	37318	435 X 197 X 57 mm	10
37289	152 X 121 X 57 mm	20	37249	222 X 371 X 25 mm	10	37348*	305 X 324 X 73 mm	6	37319	435 X 406 X 25 mm	10
37285*	152 X 132 X 41 mm	24	37246	222 X 371 X 60 mm	5	37347*	305 X 324 X 92 mm	5	37217	464 X 254 X 25 mm	20
37284*	152 X 132 X 92 mm	12	37344	254 X 102 X 32 mm	40	37363	305 X 422 X 25 mm	12	37215	464 X 254 X 57 mm	10
37292	152 X 165 X 25 mm	30	37340	254 X 102 X 70 mm	20	37359	305 X 422 X 32 mm	10	37216	464 X 508 X 25 mm	10
37288	152 X 165 X 57 mm	15	37269	254 X 121 X 25 mm	40	37355	305 X 422 X 70 mm	5	37214	464 X 508 X 57 mm	5
37291	152 X 254 X 25 mm	20	37265	254 X 121 X 57 mm	20	37179	321 X 117 X 25 mm	30	37195	476 X 197 X 25 mm	20
37287	152 X 254 X 57 mm	10	37261*	254 X 132 X 41 mm	24	37176	321 X 117 X 60 mm	15	37193	476 X 197 X 57 mm	10
37283*	152 X 273 X 41 mm	12	37260*	254 X 132 X 92 mm	12	37178	321 X 181 X 25 mm	20	37194	476 X 406 X 25 mm	10
37282*	152 X 273 X 92 mm	6	37343	254 X 137 X 32 mm	30	37175	321 X 181 X 60 mm	10	37192	476 X 406 X 57 mm	5
37290	152 X 511 X 25 mm	10	37339	254 X 137 X 70 mm	15	37177	321 X 371 X 25 mm	10			
37286	152 X 511 X 57 mm	5	37336*	254 X 159 X 32 mm	24	37174	321 X 371 X 60 mm	5			
37245	171 X 117 X 25 mm	30	37335*	254 X 159 X 41 mm	20	37191	321 X 121 X 25 mm	40			
37242	171 X 117 X 60 mm	15	37334*	254 X 159 X 73 mm	12	37187	321 X 121 X 57 mm	20			
37244	171 X 181 X 25 mm	20	37333*	254 X 159 X 92 mm	10	37183	321 X 132 X 41 mm	24			
37241	171 X 181 X 60 mm	10	37268	254 X 165 X 25 mm	30	37182	321 X 132 X 92 mm	12			
37243	171 X 371 X 25 mm	10	37264	254 X 165 X 57 mm	15	37190	321 X 165 X 25 mm	30			

ACCESSORIES

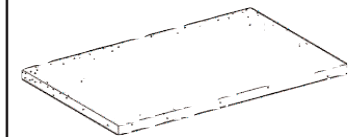
- ESD Handles
- Wire Frames
- Foam Pads



Conductive Plastic Handles



Steel wire perimeter reinforcing frame for extra strength and durability



Permanently static dissipative crosslink bottom foam to cushion circuit boards

Item	Description	Size
37450	ESD Handles	25 X 101 mm
37451	Bottom Foam	6 X 248 X 425 mm
37453	Bottom Foam	6 X 311 X 575 mm
37454	Bottom Foam	6 X 318 X 470 mm
37452	Bottom Foam	6 X 321 X 422 mm
37455	Bottom Foam	6 X 375 X 467 mm
37458	Wire Frame	5 X 318 X 475 mm
37457	Wire Frame	5 X 324 X 587 mm
37456	Wire Frame	5 X 337 X 438 mm
37459	Wire Frame	5 X 387 X 481 mm