



## Features



- Portable ESD worksurface that can also be used to transport populated, unsoldered circuit boards
- Static dissipative foam (RTT 10E6 - 10E8 ohms) laminated to Protektive Pak® impregnated corrugated material for greater durability
- Foam is shuntable, component leads can be kept at equipotential and more stable when moved
- Includes 10mm (3/8") grounding snap
- Static dissipative material 10E6 - 10E8 ohms
- Buried shielding layer minimizes sloughing and rub-off contamination
- Made in America

### SPECIFICATIONS FOR CORRUGATED MATERIAL:

Properties	Typical Values
<b>Electrostatic Decay</b>	0.01 seconds at 72°F and 11.8% R.H.
<b>Surface Resistance</b>	10E6 - 10E8 ohms/sq. after 11 days at 68°F and 12% R.H. for surface. 10E3 - 10E4 ohms/sq. for buried shielding layer
<b>High-Voltage Discharge Resistance</b>	Failure rate 0/5 (no oxide damage in five consecutive tests)
<b>Static Shielding</b>	99.9% attenuation at 10kV; 99.6% attenuation at 30kV
<b>Charged Device Model (CDM) Safety</b>	RTG >10E7 ohms at 86% R.H. or less
<b>Corrosivity</b>	Contains 1-3 ppm reducible sulfur
<b>Sloughing Test</b>	Negligible surface damage at 10 cycles and <5% of surface damage at 200 cycles in Taber Abrasion Test. No conductive particles abraded from surface
<b>Recyclability</b>	Complete recyclability of package
<b>Biodegradability</b>	Biodegradation in or on moist soil
<b>Volume Conductivity</b>	Conductivity from wall to wall as well as across surface to assure permanence of the antistatic property
<b>Shelf Life</b>	Indefinite

### SPECIFICATIONS FOR FOAM:

Property	Test Method	Results
Density	ASTM D3575-91	1.9 lb/ft <sup>3</sup>
Surface Resistance	EOS/ESD DS111-1993	10E6 - 10E8 ohms/sq
Corrosivity	TS 1021BA (UK MOD)	Pass
Water Extract	TS 1021BA (UK MOD)	Pass
Total Chlorine	TS 1021BA (UK MOD)	Pass
Recommended Operating Temperature Range	Internal	+200°F to -95°F
Tear Strength	ASTM D3575-91	14 lbf/in
Tensile Strength	ASTM D2575-91	44 psi

### Test Procedures/Method

FED-STD-101, Method 4046

ASTM D257

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

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

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Item No.	Size - L x W	Snap
<b>37800</b>	305 X 457 mm	Male
<b>39852</b>	305 X 457 mm	Female
<b>37801</b>	457 X 610 mm	Male
<b>39854</b>	457 X 610 mm	Female



Made in America

## TEK-MATE™ BOARD HANDLERS

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**DRAWING NUMBER**  
37800.E

**DATE:**  
11/06

# PROTEKTIVE PAK