



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

SPECIFICATIONS FOR FOAM:

| Property | Test Method | Results |
|---|--------------------|------------------------|
| Density | ASTM D3575-91 | 1.9 lb/ft ³ |
| Surface Resistivity | EOS/ESD DS111-1993 | 10E7 - 10E9 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

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EIA 541, appendix E, capacitive probe test

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FED-STD-101, Method 3005 for reducible sulfur

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

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| Item No. | Size - L x W | Snap |
|--------------|--------------|--------|
| 37800 | 12 x 18 | Male |
| 39852 | 12 x 18 | Female |
| 37801 | 18 x 24 | Male |
| 39854 | 18 x 24 | Female |



Made in America

TEK-MATE™ BOARD HANDLERS

PROTEKTIVE PAK

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DRAWING NUMBER
37800

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11/06