

**CONDUCTIVE FOAM**

**I. Description**

STATIC TECH conductive foam is a low sloughing carbon impregnated urethane material. The foam has been formulated to be non-corrosive. There are two grades available.

The low density grade is a soft, highly flexible material, useful where cushioning properties are required. The low density grade can be used in packaging and as a flexible lining material.

The high density grade is a crisp material, used as a shunting material. This grade has been designed so component leads can be pushed into the foam without distortion of the leads. The foam also has excellent component retention so devices remain securely in place.

**II. Specifications for Low Density Foam**

Color: Black

Compression: 35 lbs/in.<sup>2</sup> @ 25% per ASTM D-3674

Density: 2.2 lbs./ft.<sup>3</sup>

Elongation: 250% min. per ASTM D-3674

Material: Carbon impregnated polyurethane foam

Resistivity: 10<sup>3</sup> to 10<sup>6</sup> ohms per square

Sheet Size: 24" x 36" x thickness

Tear Strength: 2.5 lbs/in. per ASTM D-3674

Tensile Strength: 15 psi min. per ASTM D-3674

**III. Specifications for High Density Foam**

Color: Black

Compression: 100.0 lbs/in.<sup>2</sup> @ 25% per ASTM D-3674

Density: 3.5 lbs./ft.<sup>3</sup>

Elongation: 150% min. per ASTM D-3674

Material: Carbon impregnated polyurethane foam

Resistivity: 10<sup>3</sup> to 10<sup>6</sup> ohms per square

Sheet Size: 24" x 36" x thickness

Tear Strength: 2.0 lbs/in. per ASTM D-3674

Tensile Strength: 20 psi min. per ASTM D-3674

Note: Both low and high density foam meet MIL-B-82646, MIL-STD-883-B (non-corrosive), and MIL-P-26514F specifications.

**IV. Part Numbers**

Size	Low Density	High Density
1/8" x 24" x 36"	CF-1001	
1/4" x 24" x 36"	CF-1002	CF-1022
3/8" x 24" x 36"		CF-1023
1/2" x 24" x 36"	CF-1004	CF-1024

Sold in packs of five sheets.

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