

## Case Study

# Electronics component manufacturer requires EMI gasket which does not shred particles

### THE CHALLENGE

A large electronics component manufacturer was experiencing electrical shorts caused by a competitor's EMI shielding gasket materials releasing particles into the system. The manufacturer set out to replace these materials and also find shielding material with a pressure sensitive adhesive (PSA) for peel and stick assembly.

### DESIGN REQUIREMENTS

- Offering superior shielding performance
- No release of harmful particles
- Lower compression force requirement than the competitor's product
- Material offered w/ PSA for peel and stick assembly
- Easily die cut to shape of area necessary

### THE SOLUTION

The recommended solution for this electronics component manufacturer was to use a Parker Chomerics SOFT-SHIELD® 4800 series conductive foam gasket material as an ideal solution.

Because SOFT-SHIELD® 4800 is made of conductive fibers and not a coating, it does not shed particles that can cause system damage.

SOFT-SHIELD® 4800 delivered better shielding performance than the competitor's material, and is easily converted to a die cut shape from roll stock. This allowed for quick prototyping of sample parts for side by side testing.

### KEY CUSTOMER REQUIREMENTS

- Conductive woven fiber for superior shielding
- Non-shedding material to prevent particulation
- Die-cut gasket with psa backing for peel and stick assembly

### CONCLUSION

Parker Chomerics SOFT-SHIELD® 4800 fabric-over-foam EMI shielding gaskets offers a conductive woven fiber for superior shielding, which can be easily cut to shapes with PSA backing for peel and stick assembly.

SOFT-SHIELD® 4800's composition does not shed particles like the competitor's materials did, thus preventing system damage.

