



## **STOCKWELL ELASTOMERICS, INC.**

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For Immediate Release

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### **Combination EMI Shielding Gaskets produced from Cellular Silicone and Knitted Monel Mesh available from Stockwell Elastomerics, Inc.**

*Stockwell Elastomerics now offers combination EMI shielding gaskets fabricated from closed cell silicone foam, closed cell silicone sponge and fluorosilicone sponge with edge bonded knitted monel mesh. With on-site production capabilities and a full inventory of component materials, Stockwell Elastomerics can provide rapid response on prototypes and initial production.*

Philadelphia, PA, January 6, 2015 - Stockwell Elastomerics announces the availability of **combination EMI shielding gaskets** (<http://www.stockwell.com/emi-combination-gaskets.php>) fabricated from closed cell silicone sponge, silicone foam and fluorosilicone sponge with edge bonded knitted monel wires. Stockwell Elastomerics leverages its extensive experience in fabricating and bonding of silicone products to provide these custom EMI gaskets. Utilizing its extensive raw materials inventory, on-site adhesive lamination bonding, water jet cutting and assembly capabilities, Stockwell Elastomerics provides rapid turnaround gaskets serving the needs of customers that require environmentally sealed enclosures with EMI attenuation – emissions and susceptibility. Prototypes and initial production can be provided in days – not weeks – to support laboratory or field testing prior to full production release.

Combination EMI shielding gaskets are most commonly provided in 0.125" (3.18mm) and 0.250" (6.4mm) thicknesses. These gaskets are usually thicker and softer than filled conductive rubber EMI gaskets (<http://www.stockwell.com/emi-gaskets.php>), making them ideal for large enclosures requiring environmental gaskets and EMI shielding. Stockwell Elastomerics offers monel mesh due to its corrosion resistance and ability to resist oxidation and retention of electrical properties over time.



“Combination EMI shielding gaskets are fabricated from off-the-shelf inventories of silicone foam, silicone sponge, knitted monel and adhesives, enabling rapid response for customers requiring EMI shielding and environmental gasketing solutions for large enclosures. We are set up for fast turn prototypes and production.” said Stockwell Elastomerics’ President Bill Stockwell.

Closed cell silicone sponge (<http://www.stockwell.com/silicone-sponge.php>) and silicone foam (<http://www.stockwell.com/silicone-foam.php>) are recommended in place of closed cell neoprene sponge for superior weather sealing performance over time for protecting outdoor enclosures that are exposed to a broad temperature range and severe environments.

Closed cell silicone sponge gaskets are specified for rugged or outdoor EMI combination gaskets. Silicone foams with UL 50E and UL 94V-0 certifications are specified for applications requiring dust sealing and light moisture sealing; and when these UL specifications are needed. Closed cell



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fluorosilicone sponge is specified for military and aerospace systems that may require chemical and fuel resistance along with extreme temperature conditions.

Combination EMI shielding gaskets are typically provided with a pressure sensitive adhesive on the silicone foam or sponge to aid the installer. The knitted monel mesh remains adhesive-free to allow for full electrical contact between the enclosure and the mating lid or door. Adhesive choices include Adchem 256M film supported acrylic adhesive, 3M 9485 and 3M 9473 high performance transfer film adhesives.

Stockwell Elastomerics also offers combination EMI shielding gaskets with compression stops (also called compression limiters) to protect the gasket from being crushed under excessive torque. These are typically treated metal washers approx one half the thickness of the gasket.

### **About Stockwell Elastomerics, Inc.**

Stockwell Elastomerics' core competence is the fabrication and molding of silicone rubber and similar high performance elastomers. On-site production capabilities include adhesive lamination, water jet cutting, custom rubber molding, liquid silicone injection molding, die cutting and custom bonded assemblies and kitting. Many Stockwell Elastomerics customers take advantage of water jet cutting for fast turn prototypes and initial production. Stockwell Elastomerics, Inc. is ISO 9001:2008 registered.

For additional information about combination EMI shielding gaskets, contact Stockwell Elastomerics, Inc. via <http://www.stockwell.com> or call 215-335-3005.

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