



STOCKWELL ELASTOMERICS, INC.

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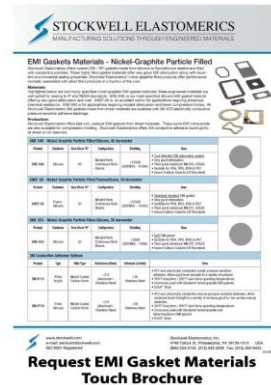
For Immediate Release

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EMI Gasket Materials Touch Brochure Now Available from Stockwell Elastomerics

Stockwell Elastomerics, Inc. offers nickel-plated graphite-filled silicone materials as fabricated and custom molded gaskets for EMI shielding and environmental sealing. A free Touch Brochure featuring Nickel-Plated Graphite filled silicone samples is now available online at <http://www.stockwell.com/EMITouch>.

Philadelphia, PA, November 10, 2015 - Stockwell Elastomerics announces the availability of their new **EMI Gasket Materials Touch Brochure** highlighting nickel-plated graphite filled elastomer products. This touch brochure includes tactile buttons of three different electrically conductive elastomers and has been created to assist engineers tasked with specifying EMI / environmental sealing gaskets. The EMI Gasket Materials Touch Brochure can be requested online at: <http://www.stockwell.com/EMITouch>.



Nickel-plated graphite-filled silicone and fluorosilicone elastomers provide shielding performance at a moderate cost. The available durometer hardnesses range from 30 to 65 durometer (Shore "A"). Nickel-plated graphite materials are especially attractive to the commercial and defense projects where cost sensitivity and high performance are required. Common applications include portable communications, power supplies and displays requiring IP64, IP65, IP66 and IP67 sealing with added EMI attenuation.

Stockwell Elastomerics' nickel-plated graphite filled compounds (<http://www.stockwell.com/emi-shielding-materials.php>) have been third party tested for shielding effectiveness per Mil-G-83528 standards. With very good attenuations properties, these compounds are often selected for defense applications and commercial applications where silver-plated aluminum compounds are too costly.

“Our fabrication, prototyping and molding capabilities enable Stockwell Elastomerics to assist engineers with EMI gasket requirements using prescribed production methods”, said Stockwell Elastomerics’ President Bill Stockwell. “We are the only US-based rubber components manufacturer providing on-site die cutting, water jet cutting, knife cutting, adhesive lamination and custom rubber molding. We maintain material inventory to support requests for rapid response, which occur often. Stockwell Elastomerics is equipped to support engineers from pre-production through full production.”

Stockwell Elastomerics’ new EMI touch brochure highlights three nickel-plated graphite filled elastomer options:

SNE-540 is a 40 durometer nickel-plated graphite filled silicone rubber. It provides a balance of high shielding attenuation (greater than 100 dB from 20MHz to 10GHz) and compressibility for effective environmental sealing. SNE-540 is readily available in sheets with a thickness range from .020” to .125” and fabricated into gaskets. SNE-540 can also be compression molded into custom gaskets or EMI components.

SNEF-50 is a 50 durometer nickel-plated graphite filled fluorosilicone elastomer for EMI Gasket applications requiring chemical resistance. Fluorosilicone resists swelling in oil and fuel contact, and is



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rated better than silicone rubber for NBC requirements. This compound may also be molded into custom configurations.

SNE-553 is a 30 durometer nickel-plated graphite filled soft silicone rubber with moderate shielding effectiveness. The low durometer is beneficial for applications with limited closure force such as EMI touch screen gaskets requiring environmental sealing and moderate EMI shielding.

Stockwell Elastomerics also laminates electrically conductive pressure sensitive adhesives onto nickel-plated graphite filled silicones and other electrically conductive elastomers. 3M 9713 acrylic adhesive and 3M 9719 silicone polymer adhesive are isotropically conductive allowing for Z-axis conductivity to complete the conductive path between sealing faces (i.e. lid and enclosure).

Stockwell Elastomerics maintains an inventory of premixed uncured compound and cured sheets in various thickness such as .020", .032", .045", .062", .093" and .125" and hardness range of 30 to 65 durometer Shore A. Customers can request a free EMI touch brochure with tactile samples of nickel-plated graphite filled elastomers at: <http://www.stockwell.com/EMITouch>. For small sample coupons of nickel-plated graphite filled silicone, or to purchase gaskets for product evaluations, contact Stockwell Elastomerics directly.

Stockwell Elastomerics' custom fabrication capabilities include adhesive lamination, die cutting, water jet cutting, and knife cutting to manufacture custom EMI shielding gaskets (<http://www.stockwell.com/emi-gaskets.php>). The company also compression molds specialty elastomers, including electrically conductive silicone and fluorosilicone, peroxide cure and platinum cure gum based silicones and specification grade fluorosilicones. Molded components are typically cryogenically de-fashed.



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 water jet cutting, high speed knife cutting, custom molding, CNC die cutting, adhesive lamination, and slitting. Many of Stockwell Elastomerics customers take advantage of water jet cutting and knife cutting for fast turn prototypes and initial production. Stockwell Elastomerics, Inc. is ISO 9001:2008 certified and ITAR registered. Contact Stockwell Elastomerics (<http://www.stockwell.com>) for complete information on silicone rubber products, custom fabrication and molding.

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