



## STOCKWELL ELASTOMERICS, INC.

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For Immediate Release

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### Electrically Conductive Gaskets with Nickel-Coated Aluminum Particle Fillers Now Supplied by Stockwell Elastomerics

*Stockwell Elastomerics, Inc. now provides electrically conductive gaskets with nickel-coated aluminum particle fillers for EMI shielding gaskets that perform long-term in harsh environments. SNA-568 nickel-aluminum filled silicone and SNAF-572 nickel-aluminum filled fluorosilicone are available in sheets, cut gaskets and compression molded gaskets for EMI shielding applications requiring galvanic corrosion resistance and long term shielding performance.*

Philadelphia, PA, January 20, 2021 - Stockwell Elastomerics, Inc. announces the availability of [EMI shielding gaskets and sheet materials produced with nickel-coated aluminum particles](#) for long-term shielding effectiveness and galvanic protection of electrical housings installed in marine environments and similar harsh environments. Die cut gaskets or waterjet cut gaskets are available from .020" thick to .125" thickness, and compression molded gaskets are available custom molded from uncured compound if sealing beads or similar design features will benefit the performance of the housing.

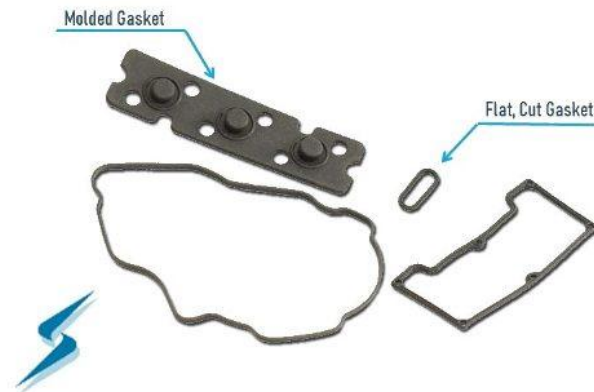
Two compounds are initially available to select from. SNA-568 nickel-aluminum filled silicone is 68 durometer Shore A, and will perform in most applications that need long term EMI shielding and galvanic corrosion resistance. SNAF-572 nickel-aluminum filled fluorosilicone is 72 durometer Shore A. Fluorosilicone rubber provides enhanced resistance to swelling and deterioration when in contact with oils, fuels and fluids used in aviation. Both of these compounds were developed by Specialty Silicone Products, Inc. (SSP), and are available to end-users through Stockwell Elastomerics as [die cut gaskets](#), [waterjet cut gaskets](#), and [compression molded gaskets](#).

These nickel-aluminum filled gasket materials are dark gray and have a smooth surface in comparison to nickel-graphite filled elastomers. SNA-568 was tested for galvanic corrosion according to ASTM B117 for saltwater spray. Additional testing data is readily available based on access to SSP's development team and their rigorous testing, including the results from their third party testing data. Sample swatches of SNA-568 are available for inspection along with supporting information.

"This family of nickel-coated aluminum-filled EMI gasket materials is offered for long-term shielding effectiveness and galvanic corrosion resistance in harsh environments." said Stockwell Elastomerics' President Bill Stockwell. "Further, the nickel-coated aluminum fillers should provide more cost stability in a time when the costs for traditional silver filled elastomers are volatile due to rising silver prices."

Stockwell Elastomerics is one of the very few USA-based gasket and rubber fabricators with on-site rubber molding capabilities. Most companies only die cut and water jet cut flat gaskets. To design gaskets that can seal effectively with lower closure force, sealing beads can be incorporated into the tool design and compression molded from a machined steel mold.

Fabricated gaskets may be provided with an electrically conductive acrylic or conductive silicone pressure sensitive adhesive to serve as an assembly aid.





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

Stockwell Elastomerics' core competence is the fabrication and molding of gaskets and pads using silicone rubber, fluorosilicone, and similar high performance elastomers. On-site production capabilities include adhesive lamination, slitting, die cutting, water jet cutting and custom molding. Many Stockwell Elastomerics customers take advantage of water jet cutting and flash cutting for fast turn prototypes and initial production. Stockwell Elastomerics is ISO 9001:2015 registered.

Contact Stockwell Elastomerics via the website: <https://www.stockwell.com/> for more information and applications assistance.

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