



STOCKWELL ELASTOMERICS

MANUFACTURING SOLUTIONS THROUGH ENGINEERED MATERIALS

Product: EMI Gasket Materials



Related Web Page:

<https://www.stockwell.com/emi-gaskets/>

Stockwell Value Proposition:

Design & Engineering

Staff engineers comprehend design challenges and are available to help select materials and manufacturing processes that best fit specific application needs.

Material Solutions

Stockwell Elastomerics has strategically partnered with industry leaders such as Rogers Corp., Saint-Gobain, 3M, Wacker Silicones and Momentive Silicones to ensure the highest quality materials are used. Stockwell Elastomerics has a comprehensive inventory of engineered materials designed and manufactured to meet requirements of the most demanding gasketing applications.

Pre-Production through Manufacturing

Combining in-house CNC die cutting, waterjet cutting, injection molding, compression molding and adhesive lamination with comprehensive inventory, Stockwell Elastomerics can fulfill fast-turn prototyping, pre-production and full production requirements.

SNE-556-R

Compound: 65 Durometer, Reinforced Conductive Silicone Rubber with Nickel / Graphite Fill

Product Description:

SNE-556-R is a unique fabric supported silicone sheet. The conductive support layer is coated on both sides with nickel coated graphite particle filled silicone rubber. The conductive support layer enhances the conductivity for excellent EMI shielding and grounding. SNE-556-R has excellent dimensional stability in the X and Y axis while still having Z axis compliance.

Stockwell Elastomerics offers pre-production and full production parts made from SNE-556-R, including waterjet cutting and die cutting. 3M conductive adhesive backing is also available for cut parts.

Property	Typical Value
Durometer, Shore "A"	65 (range 58 - 68)
Volume Resistivity, ohm-cm	0.007
*Shielding Effectiveness, dB	>100 (@ 20MHz - 10GHz)
Tensile Strength, psi	420
Elongation, max %	20
Tear "B", ppi	120
Temperature Low, °C (°F)	-55 (-67)
Temperature High, °C (°F)	200 (392)
Specific Gravity	1.93
Color	Black
Mil-G-83528C	N/A
Available Configurations	<ul style="list-style-type: none">• Continuous Sheets• Cut Parts (Waterjet/Die Cut)• Conductive Adhesive Backed

*Based on conductive filled polymer; composite requires additional testing