



TECHNICAL DATA SHEET

SNE-540-R



SNE-540-R | 40 Durometer, Reinforced Conductive Silicone Rubber with Nickel / Graphite Filler

SNE-540-R is a unique fabric reinforced silicone sheet. The conductive support layer is coated on both sides with nickel-coated graphite particle filled silicone rubber. The conductive reinforcement layer enhances the conductivity for excellent EMI shielding and grounding. SNE-540-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-540-R, including waterjet cutting and die cutting. 3M conductive adhesive backing is also available for cut parts.

SNE-540 Details

Property	Typical Value
Durometer, Shore "A", (+/- 5)	40
Volume Resistivity, ohm-cm	0.004
*Shielding Effectiveness, dB	>100 (@ 20MHz - 10GHz)
Tensile Strength, minimum, psi	420
Elongation, max %	20
Tear "B", ppi	160
Temperature Low, °C (°F)	-55 (-67)
Temperature High, °C (°F)	200 (392)
Specific Gravity	1.86

*Based on conductive filled polymer; composite requires additional testing

Additional Specifications

- Available Colors: Black
- Available Configurations: Continuous Sheets, Cut Parts (Waterjet, Die Cut), Conductive Adhesive Backed
- MIL-DTL-83528 Not Applicable.

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Stockwell Elastomerics, Inc.
4749 Tolbut St. Philadelphia, PA 19136-1512 USA
800.523.0123 | 215.335.3005

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AS9100 | ISO9001 Certified
www.stockwell.com | service@stockwell.com

