



SG Series

Specification Grade General Purpose Solid Silicone from Stockwell Elastomerics

Material / Compound: HCR (High Consistency Rubber), Gum Based Specification Grade Solid Silicone Sheetting

Product Description

SG Series general purpose solid silicone is an ideal material for gasketing, sealing, and cushioning applications in high temperatures or extreme environments. This robust yet flexible material can conform to surfaces creating weather tight seals with moderate deflection forces. It is available in thicknesses from 0.020" to 0.50" and durometers from 30A (soft) to 70A (very firm). SG Series solid silicone in all five durometers is stocked and immediately available in red; black or gray are also available upon request.



Stockwell Elastomerics can provide this material "plain", or with a variety of high performance acrylic adhesives or silicone adhesives. It is available in sheet, roll, slit-to-width, or cut-to-shape configurations.

Applications

Precision Instrumentation, Commercial Lighting, Analytical Instrumentation, Electronics Sector, Aerospace, Airflow Management, other general-purpose silicone applications.

Properties

- Extreme low and high temperature resistance
- Low compression set and stress relaxation compared to other solid elastomers
- Dielectric barriers
- UV / ozone resistant
- Specifications: A-A-59588 2A/2B, (formerly ZZ-R-765 2A/2B), ASTM D2000, AMS 3301, AMS 3302, AMS 3303, and AM S3304

Property	Test Method	SG-30 GP	SG-40 GP	SG-50 GP	SG-60 GP	SG-70 GP
DUROMETER, Shore A	ASTM D2240	30	40	50	60	70
TENSILE STRENGTH, psi	ASTM D412	725	800	850	800	800
ELONGATION, %	ASTM D412	750	700	550	500	325
TEAR, ppi die "B"	ASTM D624	75	110	125	150	130

This product is proudly manufactured in the United States of America.