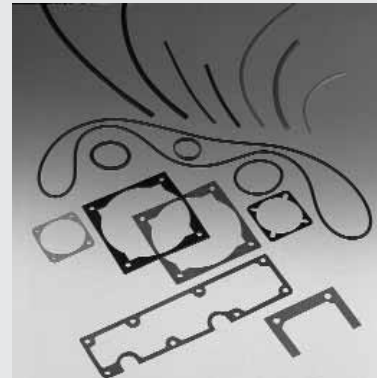


SHIELDING

CONDUCTIVE ELASTOMER

Features

- The Kitagawa Electrically Conductive Elastomers offer excellent shielding and environmental sealing. They are offered in a range of materials and outlines to meet various applications.



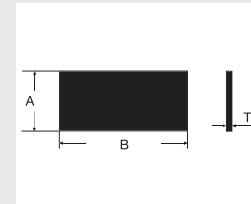
Dimension + Technical Data

Material:	Conductive particles (nickel) in Silicon		
Shore A hardness:	68 +/- 6		
Volume resistivity (Ohm / cm)	0.1		
Temperature range (°C)	-55 to +200		
Density (g/cm ³)	3.5		
Tensile strength (%)	75		
Colour	black		
Shielding effectiveness (dB)	H-Field	10 KHz	72
	E-Field	1 MHz	115
	P-Field	1 GHz	85

Standard Sheets - PL -

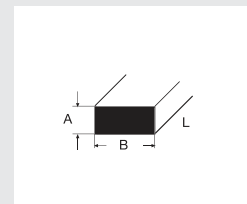
Part No.	A(mm)	B (mm)	T (mm)	Tolerance (mm)
SG-PL-	200.00	-200.00	-0.50	+/- 0.08
SG-PL-	200.00	-200.00	-0.80	+/- 0.13
SG-PL-	200.00	-200.00	-1.00	+/- 0.15
SG-PL-	200.00	-200.00	-1.50	+/- 0.20
SG-PL-	200.00	-200.00	-2.00	+/- 0.20

Custom Gaskets can be cut to customer specification!



Rectangular Strips - R E -

Part No.	A (mm)	B (mm)	L (mm)	Tolerance (mm)	
				A	B
SG-RE-	1.00	-3.00	-1.500.00	+/- 0.08	+/- 0.12
SG-RE-	1.50	-3.00	-1.500.00	+/- 0.12	+/- 0.12
SG-RE-	2.00	-2.50	-1.500.00	+/- 0.18	+/- 0.12
SG-RE-	2.00	-3.00	-1.500.00	+/- 0.18	+/- 0.12
SG-RE-	2.00	-4.00	-1.500.00	+/- 0.18	+/- 0.12

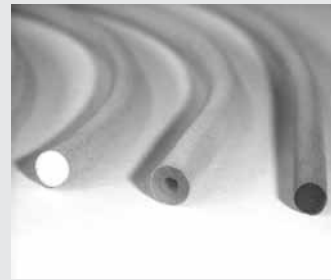


SHIELDING

CONDUCTIVE ELASTOMER

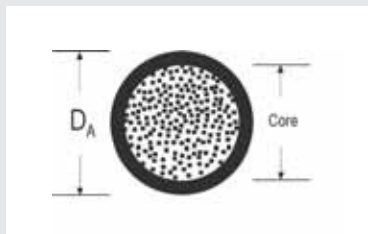
Features

- The Kitagawa Conductive Elastomer EMI-Gaskets feature an abrasion-resistant, silver-filled elastomer applied over a non-conductive extruded silicon core.



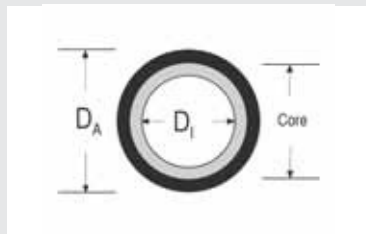
Technical data (coating only)

Material:	Ag/Cu particles in Silicon	
Volume resistivity (Ohm / cm)	0,008	
Temperature resistance (°C)	125	
Density (g/cm ³)	3,6	
Coating thickness (mm)	0,15 +/-0,05	
Breaking elongation (%)	125	
Colour	beige	
Shielding effectiveness (dB)	H-Field	10 kHz
	E-Field	1 MHz
	P-Field	1 GHz
		67
		130
		110



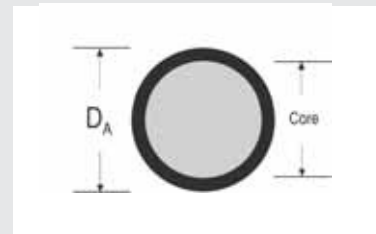
Elastomer core:	
Silicon foam (non conductive)	
Density	0,43 g/cm ³
Shore A hardness	30° +/-6
Breaking elongation	>90 %
Compression Set	< 40 %
Temperature resistance	-55/+125° C

Part No.	D _A (mm)	Tolerance (mm)
SG-F0-1.50		+/- 0.18
SG-F0-1.80		+/- 0.20
SG-F0-2.00		+/- 0.20
SG-F0-2.30		+/- 0.20
SG-F0-2.50		+/- 0.25
SG-F0-2.80		+/- 0.25
SG-F0-3.00		+/- 0.25
SG-F0-3.30		+/- 0.25
SG-F0-3.80		+/- 0.30
SG-F0-4.00		+/- 0.30
SG-F0-4.30		+/- 0.30
SG-F0-4.50		+/- 0.30
SG-F0-4.80		+/- 0.35
SG-F0-5.00		+/- 0.35
SG-F0-5.30		+/- 0.35
SG-F0-5.50		+/- 0.35
SG-F0-6.00		+/- 0.35



Elastomer core:	
Silicon tube (non conductive)	
Density	1,14 g/cm ³
Shore A hardness	60° +/-6
Breaking elongation	>45 %
Compression Set	< 35 %
Temperature resistance	-55/+125° C

Part No.	D _A	D _I (mm)	Tolerance (mm)
SG-TU-1.30	-0.50		+/- 0.15
SG-TU-1.50	-0.50		+/- 0.15
SG-TU-1.60	-0.50		+/- 0.20
SG-TU-1.80	-1.00		+/- 0.20
SG-TU-2.00	-1.00		+/- 0.20
SG-TU-2.10	-1.00		+/- 0.20
SG-TU-2.30	-1.00		+/- 0.20
SG-TU-2.60	-1.00		+/- 0.25
SG-TU-3.00	-1.00		+/- 0.25
SG-TU-3.00	-1.50		+/- 0.25
SG-TU-3.30	-1.50		+/- 0.25
SG-TU-3.60	-1.50		+/- 0.25
SG-TU-4.10	-1.50		+/- 0.25
SG-TU-4.80	-2.00		+/- 0.30
SG-TU-5.30	-2.00		+/- 0.30
SG-TU-5.80	-2.00		+/- 0.35



Elastomer core:	
Silicon solid round (non conductive)	
Density	1,08 g/cm ³
Shore A hardness	60° +/- 7
Breaking elongation	>180 %
Compression Set	< 35 %
Temperature resistance	-55/+125° C

Part No.	D _A (mm)	Tolerance (mm)
SG-R0-1.20		+/- 0.15
SG-R0-1.50		+/- 0.15
SG-R0-1.80		+/- 0.15
SG-R0-2.00		+/- 0.15
SG-R0-2.30		+/- 0.20
SG-R0-2.50		+/- 0.20
SG-R0-2.80		+/- 0.25
SG-R0-3.00		+/- 0.25
SG-R0-3.30		+/- 0.25
SG-R0-3.50		+/- 0.25
SG-R0-3.80		+/- 0.25
SG-R0-4.00		+/- 0.30
SG-R0-4.30		+/- 0.30
SG-R0-4.50		+/- 0.30
SG-R0-4.80		+/- 0.30
SG-R0-5.50		+/- 0.35

Max. available outer diameter 750 mm