



HANNA RUBBER COMPANY

Specification Sheet

Series 600

Wire Oriented in Silicone

DESCRIPTION

Wire oriented in silicone is produced from a combination of specification grade silicone and wire used in sheet and strip form. The silicone elastomer acts as an environmental seal while the wires provide excellent conductivity to establish EMI/RFI integrity. It is available in both solid and sponge silicone variations.

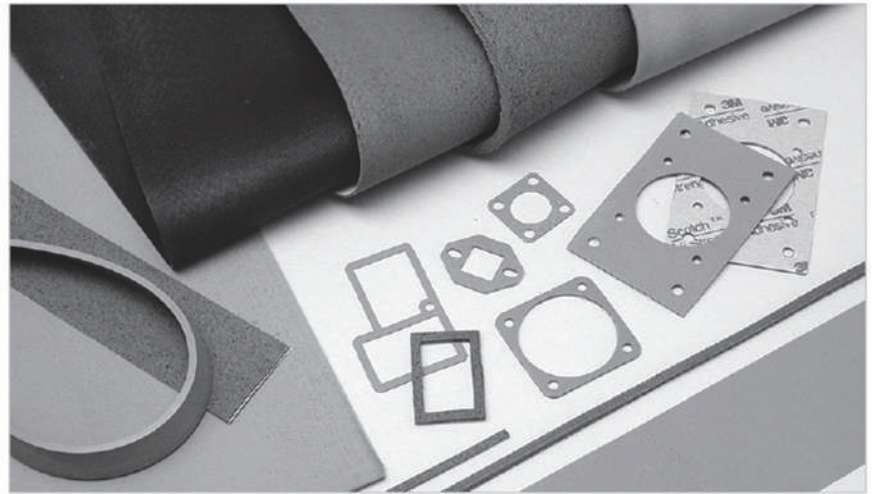
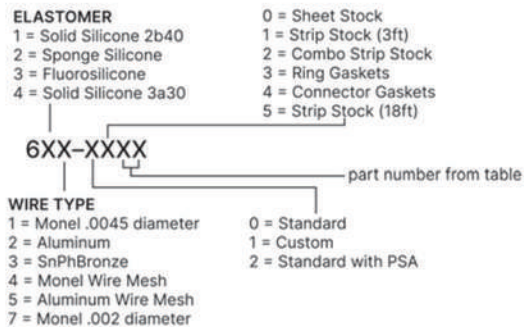
APPLICATION

Primarily suggested for use in gasket applications requiring high levels of attenuation along with a moisture seal. It's cost effectiveness makes it ideal for commercial shielding. Available with or without PSA (pressure sensitive adhesive) in sheet, strip, or custom form.

AVAILABILITY

Each of the materials are available in a variety of cross sections and die cut configurations. In order to determine the full part number for the needed material use the following system.

PART NUMBERING



AVAILABLE ELASTOMERS

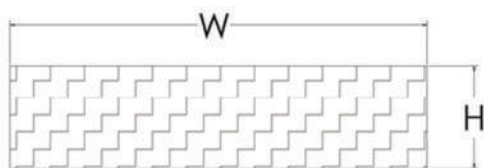
Description	Specification
Solid Silicone Elastomer	A-A-59588 2b40
Sponge Silicone	AMS 3195
Fluorosilicone	Mil-R-25988 Gr50
Solid Silicone	A-A-59588 3a30
Inquire about elastomers not listed.	

AVAILABLE WIRES

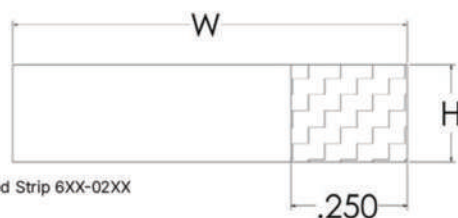
Description	Specification	Diameter
Monel Wire	QQ-N-281	.0045
Aluminum Wire	Alloy 5056	.005
SnPhBronze	ASTM B105	.0045
Monel Wire Mesh	QQ-N-281	.0045
Aluminum Wire Mesh	Alloy 5056	.005
Monel Wire	QQ-N-281	.002

TYPICAL PERFORMANCE CHARACTERISTICS

Part No. Designator	Solid Silicone and Fluorosilicone Elastomers						Silicone Sponge Elastomer		
	611	612	613	631	632	633	621	622	623
Shielding dB 200 KHz	70	70	70	70	70	85	70	70	70
100 MHz	125	100	130	125	100	130	120	85	130
1.0 GHz	125	100	125	125	100	125	125	70	125
Fuel/Solvent Resistant	No	No	No	Yes	Yes	Yes	No	No	No
Closing Force (psi)	25-100	25-100	25-100	25-100	25-100	25-100	5-50	5-50	5-50
Compression Set	25%	25%	25%	25%	25%	25%	25%	25%	25%
Temperature range (C)	-65/200	-65/200	-65/200	-55/200	-55/200	-55/200	-65/200	-65/200	-65/200
EMP Survivability	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes	Yes
Color	Gray	Gray	Gray	Blue	Blue	Blue	Gray	Gray	Gray
Wire Count/ sq. in.	900	900	900	900	900	900	850	850	850



Standard Strip 6XX-01XX



Portioned Strip 6XX-02XX

STANDARD STRIP / SHEET STOCK 3 FT. LENGTHS

Part No.	H (in.)	W (in.)	Part No.	H (in.)	W (in.)
0005	.032	3.0	0027	.125	6.0
0006	.032	4.5	0028	.125	9.0
0007	.032	6.0	0029	.156	3.0
0008	.032	9.0	0030	.156	4.5
0009	.045	3.0	0031	.156	6.0
0010	.045	4.5	0032	.156	9.0
0011	.045	6.0	0033	.188	3.0
0012	.045	9.0	0034	.188	4.5
0013	.055	3.0	0035	.188	6.0
0014	.055	4.5	0036	.188	9.0
0015	.055	6.0	0037	.250	3.0
0016	.055	9.0	0038	.250	4.5
0017	.062	3.0	0039	.250	6.0
0018	.062	4.5	0040	.250	9.0
0019	.062	6.0	0041	.312	3.0
0020	.062	9.0	0042	.312	4.5
0021	.093	3.0	0043	.312	6.0
0022	.093	4.5	0044	.312	9.0
0023	.093	6.0	0045	.375	3.0
0024	.093	9.0	0046	.375	4.5
0025	.125	3.0	0047	.375	6.0
0026	.125	4.5	0048	.375	9.0

STRIP LENGTH AVAILABILITY

Thickness (in.)	Width (in.)	Maximum Length (in.)
0.032	0.062 – 9.00	36 in.
0.062 – 1.0	0.062 – 0.250	216 in.
0.125 – 1.0	0.250 – 0.375	132 in.

TOLERANCES

Dimension	Thickness	Width
0.032 in. – 0.055 in.	+ .010 in. / - 0.005 in.	N/A
0.062 in. – 0.250 in.	+ / - .010 in.	+ / - .016 in.
0.251 in. – 0.750 in.	+ / - .010 in.	+ / - .031 in.
0.751 in. – 1.50 in.	+ / - .010 in.	+ / - .047 in.
3.0 in.	N/A	Minimum
4.5 in.	N/A	Minimum
6.0 in.	N/A	Minimum
9.0 in.	N/A	Minimum

PORTIONED STRIP / SHEET STOCK

Part No.	H (in.)	W (in.)	Part No.	H (in.)	W (in.)	Part No.	H (in.)	W (in.)
0101	.062	.062	0134	.125	.625	0167	.250	.500
0102	.062	.093	0135	.125	.750	0168	.250	.625
0103	.062	.125	0136	.125	1.00	0169	.250	.750
0104	.062	.156	0137	.156	.062	0170	.250	1.00
0105	.062	.188	0138	.156	.093	0171	.375	.125
0106	.062	.250	0139	.156	.125	0172	.375	.250
0107	.062	.312	0140	.156	.156	0173	.375	.375
0108	.062	.375	0141	.156	.188	0174	.375	.500
0109	.062	.500	0142	.156	.250	0175	.375	.625
0110	.062	.625	0143	.156	.312	0176	.375	.750
0111	.062	.750	0144	.156	.375	0177	.375	1.00
0112	.062	1.00	0145	.156	.500	0178	.500	.250
0113	.093	.062	0146	.156	.625	0179	.500	.375
0114	.093	.093	0147	.156	.750	0180	.500	.500
0115	.093	.125	0148	.156	1.00	0181	.500	.625
0116	.093	.156	0149	.188	.062	0182	.500	.750
0117	.093	.188	0150	.188	.093	0183	.500	1.00
0118	.093	.250	0151	.188	.125	0184	.625	.250
0119	.093	.312	0152	.188	.156	0185	.625	.375
0120	.093	.375	0153	.188	.188	0186	.625	.500
0121	.093	.500	0154	.188	.250	0187	.625	.625
0122	.093	.625	0155	.188	.312	0188	.625	.750
0123	.093	.750	0156	.188	.375	0189	.625	1.00
0124	.093	1.00	0157	.188	.500	0190	.750	.250
0125	.125	.062	0158	.188	.625	0191	.750	.375
0126	.125	.093	0159	.188	.750	0192	.750	.500
0127	.125	.125	0160	.188	1.00	0193	.750	.625
0128	.125	.156	0161	.250	.062	0194	.750	.750
0129	.125	.188	0162	.250	.093	0195	.750	1.00
0130	.125	.250	0163	.250	.125	0196	1.00	.250
0131	.125	.312	0164	.250	.188	0197	1.00	.500
0132	.125	.375	0165	.250	.250	0198	1.00	.750
0133	.125	.500	0166	.250	.375	0199	1.00	1.00