



Elastomer-Core Mesh

A combination material giving excellent low-closure-force grounding

Product Overview

Uvox elastomer-core mesh gaskets comprise of a double layer of wire mesh knitted over a round or rectangular elastomer core. The mesh layers provide EMI/RFI shielding, while the elastomer acts as a dust seal. The standard mesh material is Monel or Tinplated Copper clad Steel (SnCuFe).



Applications

Elastomer-core mesh gaskets are typically useful for doors and cabinets, also where surfaces may be uneven and low closure forces are needed.

Properties

Elastomer Options

Part No	Elastomer Specification
1	Neoprene Sponge Core
2	Silicone Sponge Core
3	Silicone Rubber Sponge Closed Cell, Medium (SAE AMS3195 E)
4	Silicone Rubber Sponge Closed Cell, Firm (SAE AMS3196 F)
5	Silicone Tube (1mm wall thickness)
6	Neoprene Tube (1mm wall thickness)

Wire Mesh Options

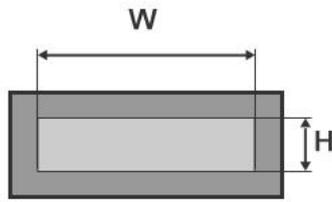
Part No	Wire Description	Specification
1	Monel Wire	QQ-N-281, 0.114 dia
2	SnCuFe	ASTM B520/ ASTM B33, 0.114 dia
3	Aluminium	AMS 4182, 0.127 dia
4	Stainless Steel	Alloy 304, 0.152 dia

Performance Characteristics

Property	Monel	SnCuFe	Aluminium
Shielding, 100 kHz (dB)	45	50	40
Shielding, 10 MHz (dB)	115	115	100
Shielding, 500 MHz (dB)	110	110	90
Shielding, 1 GHz(dB)	95	95	80
Closure Force (min. PSI)	10	10	10

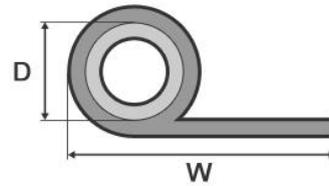
Configurations

Rectangular



Part Number	W	H
1001	1.57	1.57
1002	1.57	3.18
1003	1.57	4.75
1004	1.57	6.35
1005	1.57	7.92
1006	1.57	9.53
1007	1.57	12.7
1008	1.57	15.88
1009	1.57	19.05
1010	1.57	25.4
1011	2.36	2.36
1012	2.36	3.18
1013	2.36	4.75
1014	2.36	6.35
1015	2.36	7.92
1016	2.36	9.53
1017	2.36	12.7
1018	2.36	15.88
1019	3.18	3.18
1020	3.18	3.96
1021	3.18	4.75
1022	3.18	6.35
1023	3.18	7.92
1024	3.18	9.53
1025	3.18	12.7
1026	3.18	15.88
1027	3.18	19.05
1028	3.18	25.4
1029	4.75	4.75
1030	4.75	6.35
1031	4.75	7.92
1032	4.75	9.53
1033	4.75	12.7
1034	4.75	15.88
1035	4.75	19.05
1036	4.75	25.4
1037	6.35	6.35
1038	6.35	7.92
1039	6.35	9.53
1040	6.35	12.7
1041	6.35	15.88
1042	7.92	7.92
1043	9.53	9.53
1044	9.53	15.88
1050	6.00	4.00
1051	9.00	6.00

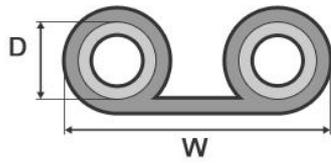
Round With Tail



Part Number	D	W
2001	1.57	9.53
2002	1.57	12.7
2003	1.57	15.88
2004	1.57	19.05
2005	2.36	9.53
2006	2.36	12.7
2007	2.36	19.05
2008	3.18	9.53
2009	3.18	11.1
2010	3.18	12.7
2011	3.18	14.27
2012	3.18	15.88
2013	3.18	19.05
2014	3.96	12.7
2015	3.96	15.88
2016	3.96	19.05
2017	4.75	11.1
2018	4.75	12.7
2019	4.75	15.88
2020	4.75	19.05
2021	4.75	22.23
2022	6.35	12.7
2023	6.35	15.88
2024	6.35	19.05
2025	6.35	22.23
2026	6.35	25.4
2027	7.92	15.88
2028	7.92	19.05
2029	7.92	22.23
2030	9.53	15.88
2031	9.53	19.05
2032	9.53	22.23
2033	9.53	25.4
2034	11.1	19.05
2035	11.1	22.23
2036	11.1	25.4
2037	12.7	19.05
2038	12.7	22.23
2039	12.7	25.4

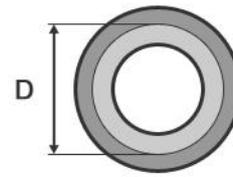
Parts 1050 and 1051 are special profiles and are finished with a single layer of monel mesh, rather than 2 layers, and comes with an adhesive strip on one side.

Dumbbell



Part Number	D (bulb)	W (overall)
3001	1.57	9.53
3002	1.57	12.7
3003	1.57	15.88
3004	1.57	17.15
3005	1.57	19.05
3006	1.57	22.23
3007	2.36	12.7
3008	3.18	12.7
3009	3.18	15.88
3010	3.18	17.15
3011	3.18	19.05
3012	3.18	22.23
3013	3.18	25.4
3014	4.75	15.88
3015	4.75	19.05
3016	4.75	22.23
3017	4.75	25.4
3018	6.35	19.05
3019	6.35	22.23
3020	6.35	25.4
3021	6.35	31.75
3022	9.53	25.4
3023	9.53	31.75

Round



Part Number	D (bulb)
4001	1.57
4002	2.36
4003	3.18
4004	3.96
4005	4.75
4006	6.35
4007	7.92
4008	9.53
4009	11.1
4010	12.7

All dimensions are in mm.

Product Selection

ECM - 2 - 2 - 3002
 Elastomer Material Wire Mesh Material Profile Code

Above Example: Silicone Sponge Core, SnCuFe, Dumbbell profile 1.57 mm bulbs and 9.53 mm overall width.

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