



ERIKS O-ring Silicone 70 Compound 714177



You use the red silicone O-ring from ERIKS as a seal for food products in static applications and slow, dynamic applications. This product has European (EC1935), American (FDA) and Chinese certificates. It is also widely used in low-temperature or high-temperature applications (e.g. refrigeration systems or ovens). In comparison to FKM, VMQ is a better choice economically speaking.

Characteristics

Material: VMQ

Colour: Red-brown

Hardness: 70

Compound: 714177

Temperature range: -60 / 220 °C

Approvals/compliances: EC1935/2004, REACH, AfPS GS [PAK], Chinese Food GB, FDA 21 CFR 177.2600

Application

● Temperature resistance

This VMQ O-ring has a large operating temperature range, from -60°C to +220°C to be exact.

Maximum pressure

Compound 71477 has a Shore A hardness of 70. So it is suitable for applications with a maximum pressure of 80 bars. Note that you must also strictly adhere to the guidelines in the chart below. This chart shows the relationship between hardness, pressure and the dimensions of the groove and the seal clearance gap. Be careful though; the seal clearance gap for VMQ should not be as large as the size shown in the table. In the case of silicones, you need to divide the indicated seal clearance gap by two.

You reduce the seal clearance gap with back-up rings from ERIKS. Back-up rings should always be used for slow, dynamic applications with pressures of 50 bars or higher.

Chemical resistance

This silicone O-ring is resistant to ozone and UV radiation. Furthermore, this material is suitable for applications that involve animal and vegetable oils and greases. It is not resistant to mineral oils and greases. Recommended in: Food & Beverages

Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
1.42	1.52	003	BS003SIL70R-714177
1.78	1.78	004	BS004SIL70R-714177
2.57	1.78	005	BS005SIL70R-714177
2.84	2.62	104	BS104SIL70R-714177
2.9	1.78	006	BS006SIL70R-714177
3.1	1.6		3.1X1.6SIL70R-714177
3.6	2.4		3.6X2.4SIL70R-714177
3.63	2.62	105	BS105SIL70R-714177
3.68	1.78	007	BS007SIL70R-714177
4	1		4XSIL70R-714177

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
4	2		4X2SIL70R-714177
4.42	2.62	106	BS106SIL70R-714177
4.47	1.78	008	BS008SIL70R-714177
4.7	1.42	901	4.7X1.42SIL70R-714177
5	1		5X1SIL70R-714177
5.23	2.62	107	BS107SIL70R-714177
5.28	1.78	009	BS009SIL70R-714177
6	1		6X1SIL70R-714177
6	2		6X2SIL70R-714177
6.02	2.62	108	BS108SIL70R-714177
6.07	1.63	902	6.07X1.63SIL70R-714177
6.07	1.78	010	BS010SIL70R-714177
7	1		7X1SIL70R-714177
7.1	1.6		7.1X1.6SIL70R-714177
7.52	3.53	203	BS203SIL70R-714177
7.59	2.62	109	BS109SIL70R-714177
7.65	1.78	011	BS011SIL70R-714177
8	2		8X2SIL70R-714177
8	3		8X3SIL70R-714177
9.12	3.53	204	BS204SIL70R-714177
9.19	2.62	110	BS110SIL70R-714177
9.25	1.78	012	BS012SIL70R-714177
10	1		10X1SIL70R-714177
10	2		10X2SIL70R-714177
10	3		10X3SIL70R-714177
10.69	3.53	205	BS205SIL70R-714177
10.77	2.62	111	BS111SIL70R-714177
10.82	1.78	013	BS013SIL70R-714177
11	3		11X3SIL70R-714177
11.1	1.6		11.1X1.6SIL70R-714177
12	3		12X3SIL70R-714177
12.29	3.53	206	BS206SIL70R-714177
12.37	2.62	112	BS112SIL70R-714177
12.42	1.78	014	BS014SIL70R-714177
13.1	1.6		13.1X1.6SIL70R-714177
13.87	3.53	207	BS207SIL70R-714177
14	1.78	015	BS015SIL70R-714177
14	3		14X3SIL70R-714177
15	1		15X1SIL70R-714177
15	3		15X3SIL70R-714177
15.47	3.53	208	BS208SIL70R-714177
15.54	2.62	114	BS114SIL70R-714177
15.6	1.78	016	BS016SIL70R-714177
16	2		16X2SIL70R-714177
16	3		16X3SIL70R-714177
16.1	1.6		16.1X1.6SIL70R-714177
17	3		17X3SIL70R-714177
17.04	3.53	209	BS209SIL70R-714177
17.1	1.6		17.1X1.6SIL70R-714177
17.12	2.62	115	BS115SIL70R-714177
18	2		18X2SIL70R-714177
18	3		18X3SIL70R-714177

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mm	mm		Max. 200 articles in the table
18.64	3.53	210	BS210SIL70R-714177
18.72	2.62	116	BS116SIL70R-714177
18.77	1.78	018	BS018SIL70R-714177
20	2		20X2SIL70R-714177
20	3		20X3SIL70R-714177
20.22	3.53	211	BS211SIL70R-714177
20.29	2.62	117	BS117SIL70R-714177
21.82	3.53	212	BS212SIL70R-714177
21.89	2.62	118	BS118SIL70R-714177
21.95	1.78	020	BS020SIL70R-714177
23	2		23X2SIL70R-714177
23	3		23X3SIL70R-714177
23.39	3.53	213	BS213SIL70R-714177
23.47	2.62	119	BS119SIL70R-714177
23.52	1.78	021	BS021SIL70R-714177
24.99	3.53	214	BS214SIL70R-714177
25.07	2.62	120	BS120SIL70R-714177
25.12	1.78	022	BS022SIL70R-714177
26.57	3.53	215	BS215SIL70R-714177
26.64	2.62	121	BS121SIL70R-714177
26.7	1.78	023	BS023SIL70R-714177
27	3		27X3SIL70R-714177
28.17	3.53	216	BS216SIL70R-714177
28.24	2.62	122	BS122SIL70R-714177
28.3	1.78	024	BS024SIL70R-714177
29.74	3.53	217	BS217SIL70R-714177
29.87	1.78	025	BS025SIL70R-714177
30	2		30X2SIL70R-714177
30	3		30X3SIL70R-714177
31.34	3.53	218	BS218SIL70R-714177
31.42	2.62	124	BS124SIL70R-714177
31.47	1.78	026	BS026SIL70R-714177
32	4		32X4SIL70R-714177
32.92	3.53	219	BS219SIL70R-714177
32.99	2.62	125	BS125SIL70R-714177
33.05	1.78	027	BS027SIL70R-714177
34.52	3.53	220	BS220SIL70R-714177
34.59	2.62	126	BS126SIL70R-714177
34.65	1.78	028	BS028SIL70R-714177
35	2		35X2SIL70R-714177
36	2		36X2SIL70R-714177
36.09	3.53	221	BS221SIL70R-714177
36.17	2.62	127	BS127SIL70R-714177
37.69	3.53	222	BS222SIL70R-714177
37.77	2.62	128	BS128SIL70R-714177
37.82	1.78	029	BS029SIL70R-714177
38	2		38X2SIL70R-714177
39.34	2.62	129	BS129SIL70R-714177
40	3		40X3SIL70R-714177
40.87	3.53	223	BS223SIL70R-714177
40.94	2.62	130	BS130SIL70R-714177
42	2		42X2SIL70R-714177

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mm	mm		Max. 200 articles in the table
42	3		42X3SIL70R-714177
42.52	2.62	131	BS131SIL70R-714177
44.04	3.53	224	BS224SIL70R-714177
44.12	2.62	132	BS132SIL70R-714177
44.17	1.78	031	BS031SIL70R-714177
45	2		45X2SIL70R-714177
45	3		45X3SIL70R-714177
45.69	2.62	133	BS133SIL70R-714177
47.22	3.53	225	BS225SIL70R-714177
47.29	2.62	134	BS134SIL70R-714177
47.35	1.78	032	BS032SIL70R-714177
48	3		48X3SIL70R-714177
48.9	2.62	135	BS135SIL70R-714177
49.5	3		49.5X3SIL70R-714177
50.39	3.53	226	BS226SIL70R-714177
50.47	2.62	136	BS136SIL70R-714177
50.52	1.78	033	BS033SIL70R-714177
52.07	2.62	137	BS137SIL70R-714177
53	5		53X5SIL70R-714177
53.64	2.62	138	BS138SIL70R-714177
53.7	1.78	034	BS034SIL70R-714177
54.5	3		54.5X3SIL70R-714177
55.25	2.62	139	BS139SIL70R-714177
56.74	3.53	228	BS228SIL70R-714177
56.82	2.62	140	BS140SIL70R-714177
56.87	1.78	035	BS035SIL70R-714177
58	3		58X3SIL70R-714177
58.42	2.62	141	BS141SIL70R-714177
59.5	3		59.5X3SIL70R-714177
59.92	3.53	229	BS229SIL70R-714177
59.99	2.62	142	BS142SIL70R-714177
60	2		60X2SIL70R-714177
61.6	2.62	143	BS143SIL70R-714177
62	4		62X4SIL70R-714177
63	4		63X4SIL70R-714177
63.09	3.53	230	BS230SIL70R-714177
63.17	2.62	144	BS144SIL70R-714177
64.77	2.62	145	BS145SIL70R-714177
66	4		66X4SIL70R-714177
66.27	3.53	231	BS231SIL70R-714177
66.34	2.62	146	BS146SIL70R-714177
66.4	1.78	038	BS038SIL70R-714177
67.95	2.62	147	BS147SIL70R-714177
68	4		68X4SIL70R-714177
69.44	3.53	232	BS232SIL70R-714177
69.5	3		69.5X3SIL70R-714177
69.57	1.78	039	BS039SIL70R-714177
71.12	2.62	149	BS149SIL70R-714177
72.62	3.53	233	BS233SIL70R-714177
72.69	2.62	150	BS150SIL70R-714177
72.75	1.78	040	BS040SIL70R-714177
74.5	3		74.5X3SIL70R-714177

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mm	mm		Max. 200 articles in the table
75.79	3.53	234	BS234SIL70R-714177
75.87	2.62	151	BS151SIL70R-714177
75.92	1.78	041	BS041SIL70R-714177
78	2		78X2SIL70R-714177
78.97	3.53	235	BS235SIL70R-714177
82.22	2.62	152	BS152SIL70R-714177
85	5		85X5SIL70R-714177
88.57	2.62	153	BS153SIL70R-714177
90	3		90X3SIL70R-714177
94.92	2.62	154	BS154SIL70R-714177
99.5	3		99.5X3SIL70R-714177
100	4		100X4SIL70R-714177
100	5		100X5SIL70R-714177
101.27	2.62	155	BS155SIL70R-714177
102	3		102X3SIL70R-714177
107.62	2.62	156	BS156SIL70R-714177
109.5	3		109.5X3SIL70R-714177
113.97	2.62	157	BS157SIL70R-714177
120.32	2.62	158	BS158SIL70R-714177
126.67	2.62	159	BS159SIL70R-714177
133.07	1.78	050	BS050SIL70R-714177
135	4		135X4SIL70R-714177
139.37	2.62	161	BS161SIL70R-714177
145.72	2.62	162	BS162SIL70R-714177
152.07	2.62	163	BS163SIL70R-714177
158.42	2.62	164	BS164SIL70R-714177
159.3	5.7		159.3X5.7SIL70R-714177
160	3		160X3SIL70R-714177
164.77	2.62	165	BS165SIL70R-714177
190.17	2.62	169	BS169SIL70R-714177
234.62	2.62	176	BS176SIL70R-714177
247.32	2.62	178	BS178SIL70R-714177
259.3	5.7		259.3X5.7SIL70R-714177

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