



ERIKS O-ring FKM 70 Compound 514641



You use this black FKM* O-ring from ERIKS as a seal for foodstuffs in static applications and slow, dynamic applications. This product is FDA, 3A and EC1935 compliant. It is mainly used in applications involving strong acids and bases, oils and greases. It also offers high temperature resistance. * Viton, the brand name for FKM, may be more familiar to you.

Characteristics

Material: FKM

Colour: Black

Hardness: 70

Compound: 514641

Temperature range: -20 / 200 °C

Approvals/compliances: 3-A, FDA 21 CFR 177.2600, Swiss LGV 817.02, AfPS GS (PAK), EC1935/2004, REACH

Application

● Temperature resistance

This FKM O-ring has an operating temperature range of -20°C to +200°C.

Maximum pressure

Compound 514641 has a Shore A hardness of 70. This makes this O-ring suitable for applications with a maximum pressure of 80 bars. Refer to the chart below for information on the relationship between hardness, pressure, the groove dimensions and the seal clearance gap. You should always adhere to these guidelines.

Are you going to use this O-ring in a slow, dynamic application with a pressure of 50 bars or higher? In that case, we advise you to use back-up rings.

Chemical resistance

FKM is resistant to acids, bases, oils and greases. It also has good resistance to ageing and UV radiation. This material is often used in applications involving a vacuum. For sealing steam, you should preferably use EPDM, FFKM or HNBR, depending on the application. Recommended in: Food & Beverages

Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Size according to DIN11864	Article
mm	mm			Max. 200 articles in the table
1.24	2.62	102		12193550
1.78	1.78	004		11395539
2.06	2.62	103		12193551
2.57	1.78	005		11416526
2.84	2.62	104		12193552
2.9	1.78	006		12193515
3.63	2.62	105		12193553
3.68	1.78	007		11416631
4.42	2.62	106		11297329
4.47	1.78	008		11395542
5.23	2.62	107		11475122
5.28	1.78	009		11416632

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Internal diameter	Cross section	Size according to AS568- BS1806-ISO3601	Size according to DIN11864	Article
mm	mm			Max. 200 articles in the table
6.02	2.62	108		12193554
6.07	1.78	010		11546754
7.52	3.53	203		11416643
7.59	2.62	109		11395554
7.65	1.78	011		11395537
8.1	1.6			11258614
9.19	2.62	110		11258613
9.25	1.78	012		11416633
10	2			12193542
10.77	2.62	111		11297327
10.82	1.78	013		11416634
11.89	1.98	906		11395552
12	3.5		DIN118641-DN10	11918285
12.29	3.53	206		11395548
12.37	2.62	112		11312396
12.42	1.78	014		11416635
13.94	2.62	113		11343371
14	1.78	015		11436677
15	1.5			11258582
15.47	3.53	208		11297330
15.54	2.62	114		11469360
15.6	1.78	016		11269381
17.12	2.62	115		11416639
17.17	1.78	017		11416636
18.64	3.53	210		11918292
18.72	2.62	116		11475133
18.77	1.78	018		11416637
20.22	3.53	211		11277302
20.29	2.62	117		11436678
20.35	1.78	019		11918268
21.59	5.33	316		11343444
21.82	3.53	212		11552698
21.89	2.62	118		12193555
21.95	1.78	020		12193516
22.1	1.6			11387403
23.47	2.62	119		11343372
23.52	1.78	021		12193517
24.99	3.53	214		11460052
25	3			11918281
25.07	2.62	120		12193556
25.12	1.78	022		12193518
26.64	2.62	121		11416640
26.7	1.78	023		12193519
28	3.5		DIN118641-DN25	11311540
28.17	3.53	216		11215775
28.24	2.62	122		12193557
28.3	1.78	024		12193520
29.74	3.53	217		11955651
29.82	2.62	123		12193558
29.87	1.78	025		12193521
31.34	3.53	218		11918293
31.42	2.62	124		11799517

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mm	mm			Max. 200 articles in the table
31.47	1.78	026		11395544
32.92	3.53	219		11277344
32.99	2.62	125		12193559
33.05	1.78	027		11945898
34.52	3.53	220		12098828
34.59	2.62	126		11416641
34.65	1.78	028		12118045
35	2			12193545
36.17	2.62	127		12193560
37.47	5.33	325		11369706
37.69	3.53	222		11916905
37.77	2.62	128		12193561
37.82	1.78	029		11395545
39.34	2.62	129		11389390
40.64	5.33	326		11277345
40.87	3.53	223		11799763
40.94	2.62	130		11918273
41	1.78	030		12193522
42.52	2.62	131		11255255
44.04	3.53	224		11918294
44.12	2.62	132		11416642
44.17	1.78	031		12193523
45.69	2.62	133		12193562
46.99	5.33	328		11277347
47.22	3.53	225		12118043
47.29	2.62	134		11387404
47.35	1.78	032		12193524
48.9	2.62	135		12193563
50.17	5.33	329		11369703
50.39	3.53	226		11888027
50.47	2.62	136		12087232
50.52	1.78	033		11918269
52	5		DIN118641-DN50	11888028
52.07	2.62	137		11918274
53.64	2.62	138		12193564
53.7	1.78	034		12193525
55.25	2.62	139		11343443
56.52	5.33	331		11918317
56.82	2.62	140		11915739
56.87	1.78	035		11395546
58.42	2.62	141		12193565
59.69	5.33	332		11277348
59.99	2.62	142		12193566
60	3			11916505
60.05	1.78	036		12193526
61.6	2.62	143		12193567
62.87	5.33	333		11369705
63.09	3.53	230		11918895
63.17	2.62	144		12193568
63.22	1.78	037		12193527
64.77	2.62	145		11799516
66.04	5.33	334		11369704

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Internal diameter	Cross section	Size according to AS568- BS1806-ISO3601	Size according to DIN11864	Article
mm	mm			Max. 200 articles in the table
66.27	3.53	231		11665599
66.34	2.62	146		12193569
66.4	1.78	038		12193528
67.95	2.62	147		12193570
68	5		DIN118641-DN65	11918311
69.22	5.33	335		11369654
69.44	3.53	232		11799519
69.52	2.62	148		12193571
69.57	1.78	039		12193529
71.12	2.62	149		12193572
72.69	2.62	150		12193573
72.75	1.78	040		12193530
75.57	5.33	337		11369655
75.79	3.53	234		11918295
75.87	2.62	151		11918275
75.92	1.78	041		12193531
81.92	5.33	339		11369707
82.22	2.62	152		12193574
82.27	1.78	042		12193532
85.09	5.33	340		11328272
88.57	2.62	153		11918276
88.62	1.78	043		12193533
91.44	5.33	342		11455877
91.67	3.53	239		11879209
94.62	5.33	343		11918318
94.92	2.62	154		12193575
94.97	1.78	044		12193534
97.79	5.33	344		11918319
100.97	5.33	345		11297331
101.19	3.53	242		11918894
101.27	2.62	155		12098851
102	5		DIN118641-DN100	12107970
104.37	3.53	243		11918296
107.32	5.33	347		11918320
107.54	3.53	244		11385530
107.62	2.62	156		12193576
107.67	1.78	046		12193536
110.49	5.33	348		11399574
110.72	3.53	245		11918297
113.97	2.62	157		12193577
114.02	1.78	047		12193537
116.84	5.33	350		11455881
120.32	2.62	158		11451866
120.37	1.78	048		12193538
126.37	6.99	429		11918322
126.67	2.62	159		12193578
126.72	1.78	049		12193539
129.77	3.53	251		11918298
133.02	2.62	160		12193579
133.07	1.78	050		12193540
139.37	2.62	161		12193580
142.24	5.33	358		11343445

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mm	mm			Max. 200 articles in the table
142.47	3.53	255		11918299
145.72	2.62	162		12193581
151.77	5.33	361		11918321
151.99	3.53	258		11915741
152.07	2.62	163		12193582
158.12	6.99	438		11918323
158.34	3.53	259		11918300
158.42	2.62	164		12193583
164.47	6.99	439		12106203
164.69	3.53	260		12014228
164.77	2.62	165		12193584
170.82	5.33	364		11968800
171.04	3.53	261		11918301
171.12	2.62	166		12193585
177.47	2.62	167		12193586
183.82	2.62	168		12193587
190.17	2.62	169		12193588
196.52	2.62	170		12193589
202.87	2.62	171		12193590
209.22	2.62	172		12193591
215.27	6.99	446		11918324
215.57	2.62	173		12193592
221.92	2.62	174		12193603
227.97	5.33	373		12102987
227.97	6.99	447		11918325
240.67	6.99	448		11918326
247.02	5.33	376		12118046
253.37	6.99	449		11918327
278.77	6.99	451		11918328
304.17	6.99	453		11918329
380.37	6.99	459		11443548

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