KALREZ® O-ring FFKM 75 Compound 7075

You can use this black Kalrez® O-ring as a seal for chemicals, steam and oils at high pressure. This product is the newer version of Compound 4079. It offers high temperature resistance and is resistant to a broad range of chemicals. You find this O-ring in static applications and slow, dynamic applications.

Characteristics

Material: FFKM
Colour: Black
Hardness: 75
Compound: 7075
Temperature range: -18 / 327 °C
Approvals/compliances: REACH

Application

- Temperature resistance

Compound 7075 has the highest temperature resistance of all Kalrez® O-rings (from -18°C to +327° C). This seal has been specially developed for applications involving a combination of high temperatures and strong chemicals. In addition, this material is suitable for large temperature fluctuations.

Maximum pressure
This O-ring has a Shore A hardness of 75. As a result, it is suitable for applications with a pressure of up to 80 bars. Furthermore, the guidelines in the chart below must be adhered to. This chart shows the relationship between pressure, hardness and the dimensions of the seal clearance gap and the groove.

Are you going to use this material in a slow, dynamic application with a pressure of 50 bars or higher? If so, we advise you to use back-up rings.

Chemical resistance
This FFKM O-ring offers a good resistance to many chemicals, such as acids, amines and solvents. This material is suitable for applications involving steam. Compound 6375 does not offer the same resistance to high temperatures, but has a higher chemical resistance. So that compound is sometimes a better choice, depending on the temperature and chemicals involved in your application.

Recommended in: Chemical

Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
0.74	1.02	001	12064714
1.07	1.27	002	12064715
1.24	2.62	102	12064738
1.42	1.52	003	11348561
1.78	1.78	004	12014992
2.06	2.62	103	12064739

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
2.57	1.78	005	11349147
2.84	2.62	104	11416807
2.9	1.78	006	11365175
3.63	2.62	105	11623250
3.68	1.78	007	11315090
4.34	3.53	201	12064779
4.42	2.62	106	11287093
4.47	1.78	008	11325190
5.23	2.62	107	12064741
5.28	1.78	009	11312235
5.94	3.53	202	12064780
6.02	2.62	108	11331781
6.07	1.78	010	11341551
7.52	3.53	203	12064781
7.59	2.62	109	12064742
7.65	1.63	903	11402131
7.65	1.78	011	11399303
9.12	3.53	204	11400973
9.19	2.62	110	12064743
9.25	1.78	012	11361840
10.69	3.53	205	12064783
10.77	2.62	111	11399304
10.82	1.78	013	11312237
12.29	3.53	206	12064784
12.37	2.62	112	11401736
12.42	1.78	014	11461582
13.87	3.53	207	11445589
13.94	2.62	113	11317571
14	1.78	015	11341552
15.47	3.53	208	12064785
15.54	2.62	114	11280554
15.6	1.78	016	12064718
17.04	3.53	209	12064786
17.12	2.62	115	11389113
17.17	1.78	017	12064719
18.64	3.53	210	11613032
18.72	2.62	116	12064746
18.77	1.78	018	11752559
19.99	5.33	315	11419718
20.22	3.53	211	12064788
20.29	2.62	117	11454485
20.35	1.78	019	11317940
21.82	3.53	212	11320056
21.89	2.62	118	11413204
21.95	1.78	020	11318687
23.39	3.53	213	11273336
23.47	2.62	119	11413205
23.52	1.78	021	11408806
24.77	5.33	318	11481797
24.99	3.53	214	11390274
25.07	2.62	120	11331780
25.12	1.78	022	11454322

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
26.34	5.33	319	11363143
26.64	2.62	121	11279345
28.17	3.53	216	11326979
28.24	2.62	122	11408808
28.3	1.78	024	11470943
29.74	3.53	217	11939081
29.82	2.62	123	11408801
29.87	1.78	025	12064721
31.12	5.33	322	11384843
31.42	2.62	124	11355683
31.47	1.78	026	11366319
32.92	3.53	219	11390277
32.99	2.62	125	11390268
33.05	1.78	027	11461583
34.52	3.53	220	11423632
34.53	5.33		11916856
34.59	2.62	126	11308199
34.65	1.78	028	11366320
36.09	3.53	221	11389106
36.17	2.62	127	12064748
37.69	3.53	222	11390279
37.77	2.62	128	11371328
37.82	1.78	029	11752325
39.34	2.62	129	11390270
40.64	5.33	326	11916832
40.87	3.53	223	11434673
40.94	2.62	130	11268421
41	1.78	030	11317941
42.52	2.62	131	12064749
44.04	3.53	224	11317942
44.12	2.62	132	12064750
44.17	1.78	031	11317983
45.69	2.62	133	12064751
46.99	5.33	328	11384842
47.22	3.53	225	11606762
47.29	2.62	134	11408805
47.35	1.78	032	12064723
48.9	2.62	135	11341545
50.39	3.53	226	11317984
50.47	2.62	136	11482836
50.52	1.78	033	12064724
52.07	2.62	137	11328618
53.34	5.33	330	11612940
53.57	3.53	227	11390280
53.64	2.62	138	11390272
53.7	1.78	034	12064725
55.25	2.62	139	11408807
56.74	3.53	228	11657923
56.82	2.62	140	11408804
56.87	1.78	035	12064726
58.42	2.62	141	11390494
59.92	3.53	229	11619832

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
59.99	2.62	142	11408802
60.05	1.78	036	11313408
61.6	2.62	143	11389114
63.09	3.53	230	11341550
63.17	2.62	144	12064752
63.22	1.78	037	12064727
64.77	2.62	145	11482837
66.34	2.62	146	11325580
66.4	1.78	038	12064728
67.95	2.62	147	11619200
69.52	2.62	148	11406251
69.57	1.78	039	11313044
71.12	2.62	149	12064754
72.62	3.53	233	11474838
72.69	2.62	150	12064755
72.75	1.78	040	12064729
75.87	2.62	151	11317985
75.92	1.78	041	11619199
78.97	3.53	235	11385090
82.14	3.53	236	11385091
82.22	2.62	152	11376358
82.27	1.78	042	11619201
85.09	5.33	340	11402136
85.32	3.53	237	11478782
88.49	3.53	238	11478785
88.57	2.62	153	11328831
88.62	1.78	043	12064730
91.67	3.53	239	11317986
94.84	3.53	240	11291165
94.92	2.62	154	11394233
94.97	1.78	044	12064731
97.79	5.33	344	11604731
98.02	3.53	241	11657924
101.27	2.62	155	12064758
101.32	1.78	045	12064732
104.37	3.53	243	11535250
107.54	3.53	244	11364388
107.62	2.62	156	12064759
107.67	1.78	046	12064733
110.72	3.53	245	11289357
113.67	5.33	349	11916831
113.89	3.53	246	11592626
113.97	2.62	157	11389107
114.02	1.78	047	12064734
117.07	3.53	247	11289356
120.32	2.62	158	12064760
120.37	1.78	048	12064735
123.19	5.33	352	11402137
123.42	3.53	249	11389108
126.67	2.62	159	12064761
126.72	1.78	049	12064736
129.77	3.53	251	11289355

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mm	mm		Max. 200 articles in the table
132.72	5.33	355	11414228
133.02	2.62	160	12064762
133.07	1.78	050	12064737
136.12	3.53	253	11321535
139.29	3.53	254	11289354
139.37	2.62	161	12064763
142.47	3.53	255	11404933
145.72	2.62	162	12064764
151.99	3.53	258	11604730
152.07	2.62	163	11389109
158.12	5.33	362	11414229
158.34	3.53	259	11687630
158.42	2.62	164	12064765
164.77	2.62	165	12064766
171.12	2.62	166	12064767
177.47	2.62	167	12064768
183.82	2.62	168	12064769
189.87	5.33	367	11423634
190.17	2.62	169	12064770
196.52	2.62	170	11531400
202.87	2.62	171	12064771
208.92	5.33	370	11964656
209.22	2.62	172	12064772
215.57	2.62	173	12064773
221.92	2.62	174	12064774
228.19	3.53	270	11335960
228.27	2.62	175	12064775
234.62	2.62	176	12064776
240.97	2.62	177	12064777
247.24	3.53	273	11384747
247.32	2.62	178	12064778
253.37	5.33	377	11316450
266.29	3.53	275	11904027
278.99	3.53	276	11406252
380.37	5.33	384	11325814
380.37	6.99	459	11541750
405.26	3.53	282	11608581

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