KALREZ® O-ring FFKM 75 Compound 6375

You use this black FFKM O-ring as a seal for steam, oils, acids, bases and solvents in static and slow dynamic applications. This product is the best-sold Kalrez® O-ring because of its extensive applicability. You mainly find these seals in the petrochemical and chemical industries.

Characteristics

Material: FFKM
Colour: Black
Hardness: 75
Compound: 6375
Temperature range: -20 / 275 °C

Application

- Temperature resistance

The Kalrez® 6375 O-ring has an operating temperature range from -20°C to +275°C.

Maximum pressure
Compound 6375 has a Shore A hardness of 75. This makes it suitable for applications with a pressure of up to 80 bars. Note that you must also strictly adhere to the guidelines in the chart below. This chart shows the relationship between the hardness of your O-ring, the pressure in your application, the groove size and the seal clearance gap.

Are you going to use this seal 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 rubber material offers good chemical resistance across a very broad spectrum. So it is ideal for applications involving high temperatures (e.g. steam) and strong chemicals, such as amines and solvents.

Recommended in: Chemical

Internal diameter mm	Cross section mm	Size according to AS568-BS1806-ISO3601	Article Max. 200 articles in the table
0.74	1.02	001	11095482
1.07	1.27	002	11095498
1.42	1.52	003	11095499
1.78	1.78	004	11095500
2.57	1.78	005	11095501
2.84	2.62	104	11098052
2.9	1.78	006	11095502
3.63	2.62	105	11098053
3.68	1.78	007	11095523
4.42	2.62	106	11091643
4.47	1.78	008	11095524
5.23	2.62	107	11098054
5.28	1.78	009	11095525
5.94	3.53	202	11099480
6.02	2.62	108	11098056

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
6.07	1.78	010	11091641
7.52	3.53	203	11170478
7.59	2.62	109	11098057
7.65	1.78	011	11095819
8.1	1.6		11106311
8.92	1.83	904	11109000
9.12	3.53	204	11099482
9.19	2.62	110	11098059
9.25	1.78	012	11095820
10.77	2.62	111	11098060
10.82	1.78	013	11095822
11.89	1.98	906	11109002
12.29	3.53	206	11099504
12.37	2.62	112	11098061
12.42	1.78	014	11095823
13.87	3.53	207	11099772
13.94	2.62	113	11098062
14	1.78	015	11095824
15.47	3.53	208	11099803
15.54	2.62	114	11098074
15.6	1.78	016	11095825
17.12	2.62	115	11098075
17.17	1.78	017	11095826
18.64	3.53	210	11099804
18.72	2.62	116	11098341
18.77	1.78	018	11095827
19.18	2.46	910	11109013
20.22	3.53	211	11099806
20.29	2.62	117	11098383
20.35	1.78	019	11095828
21.82	3.53	212	11099807
21.89	2.62	118	11098384
21.95	1.78	020	11095829
23.39	3.53	213	11099808
23.47	2.62	119	11098385
23.52	1.78	021	11095843
24.77	5.33	318	11105288
24.99	3.53	214	11099816
25.07	2.62	120	11026757
25.12	1.78	022	11095844
26.64	2.62	121	11026759
26.7	1.78	023	11095865
28.17	3.53	216	11099818
28.24	2.62	122	11098389
28.3	1.78	024	11095651
29.74	3.53	217	11026793
29.82	2.62	123	11098403
29.87	1.78	025	11095652
31.2	3		11178741
31.34	3.53	218	11099977
31.42	2.62	124	11026790
31.47	1.78	026	11095934

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
32.69	5.33	323	11170477
32.92	3.53	219	11026795
32.99	2.62	125	11098407
33.05	1.78	027	11095936
34.52	3.53	220	11099979
34.59	2.62	126	11098409
34.65	1.78	028	11095937
36.09	3.53	221	11099980
36.17	2.62	127	11026791
37.69	3.53	222	11099982
37.77	2.62	128	11098747
37.82	1.78	029	11095939
39.34	2.62	129	11098749
39.69	3.53		11104546
40.64	5.33	326	11105289
40.87	3.53	223	11026796
40.94	2.62	130	11098750
41	1.78	030	11095953
41	4		11026797
42.52	2.62	131	11098751
43.82	5.33	327	11105413
44.04	3.53	224	11099984
44.12	2.62	132	11098752
44.17	1.78	031	11095955
45.69	2.62	133	11026792
46.99	5.33	328	11105414
47.22	3.53	225	11099988
47.29	2.62	134	11098793
47.35	1.78	032	11095957
48.9	2.62	135	11098794
50.17	5.33	329	11105415
50.39	3.53	226	11099989
50.47	2.62	136	11098795
50.52	1.78	033	11095958
52.07	2.62	137	11098796
52.39	3.53		11164602
53.34	5.33	330	11105636
53.57	3.53	227	11099990
53.64	2.62	138	11098914
53.7	1.78	034	11095959
55.25	2.62	139	11098915
56.52	5.33	331	11105637
56.74	3.53	228	11099991
56.82	2.62	140	11098916
56.87	1.78	035	11095960
58.42	2.62	141	11098917
59.69	5.33	332	11105638
59.92	3.53	229	11099992
59.99	2.62	142	11098918
60.05	1.78	036	11095961
61.6	2.62	143	11098919
62.87	5.33	333	11105639

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
63.09	3.53	230	11100005
63.17	2.62	144	11098921
63.22	1.78	037	11095963
64.77	2.62	145	11098922
66.04	5.33	334	11105640
66.27	3.53	231	11100085
66.34	2.62	146	11098923
66.4	1.78	038	11095964
67.95	2.62	147	11098924
69.22	5.33	335	11105641
69.44	3.53	232	11100192
69.52	2.62	148	11098926
69.57	1.78	039	11095967
71.12	2.62	149	11098927
72.39	5.33	336	11105642
72.62	3.53	233	11072484
72.69	2.62	150	11098929
72.75	1.78	040	11095968
75.57	5.33	337	11105673
75.79	3.53	234	11100214
75.87	2.62	151	11098931
75.92	1.78	041	11095969
78.74	5.33	338	11105674
78.97	3.53	235	11100216
81.92	5.33	339	11106230
82.14	3.53	236	11100218
82.22	2.62	152	11098932
82.27	1.78	042	11095971
85.09	5.33	340	11106231
85.32	3.53	237	11100221
88.27	5.33	341	11106232
88.49	3.53	238	11100222
88.57	2.62	153	11098944
91.44	5.33	342	11106264
91.67	3.53	239	11100233
94.62	5.33	343	11106265
94.84	3.53	240	11100234
94.92	2.62	154	11098947
97.79	5.33	344	11106267
98.02	3.53	241	11100235
100.97	5.33	345	11106268
101.19	3.53	242	11100236
101.27	2.62	155	11098949
104.14	5.33	346	11106269
104.37	3.53	243	11100238
107.32	5.33	347	11113150
107.54	3.53	244	11100518
110.49	5.33	348	11106270
110.72	3.53	245	11100520
113.67	5.33	349	11106272
113.89	3.53	246	11100521
113.97	2.62	157	11098951

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
117.07	3.53	247	11100543
120.24	3.53	248	11100547
120.32	2.62	158	11149242
123.19	5.33	352	11158116
123.42	3.53	249	11100548
126.59	3.53	250	11100549
129.54	5.33	354	11113151
129.77	3.53	251	11100551
132.94	3.53	252	11100584
136.12	3.53	253	11100586
139.29	3.53	254	11100587
142.24	5.33	358	11106303
142.47	3.53	255	11100588
145.64	3.53	256	11100592
148.82	3.53	257	11100624
151.99	3.53	258	11100625
158.34	3.53	259	11100626
164.69	3.53	260	11100628
171.04	3.53	261	11100629
177.39	3.53	262	11100630
183.74	3.53	263	11104363
190.09	3.53	264	11104510
215.27	6.99	446	11167248
278.99	3.53	276	11104512
291.69	3.53	277	11143666
355.19	3.53	280	11104513
380.59	3.53	281	11104515
443.36	6.99	464	11178654

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