ERIKS O-ring EPDM 70 Compound 55915

You use this black EPDM O-ring from ERIKS as a seal for acids, bases and steam in static and slow dynamic applications. This seal used to have a different name: 55914PC. Are you looking for an O-ring for the food industry? If so, Compound 559270 is a better choice. For pharmaceutical applications, you should use Compound 559273.

Characteristics

Material: EPDM
Colour: Black
Hardness: 70
Compound: 55915
Temperature range: -55 / 150 °C

Application

- Temperature resistance

This EPDM 70 O-ring has an operating temperature range of -55°C to +150°C.

Maximum pressure
Compound 55915 has a Shore A hardness of 70. So this O-ring is suitable for applications with a pressure of up to 80 bars. Note that you should also strictly adhere to the guidelines in the chart below. It clarifies the relationship between the groove size, the seal clearance gap, the pressure in your application and the hardness of your O-ring.

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

Chemical resistance
This EPDM rubber is resistant to acids, bases, hot water and steam. It is not suitable for applications involving mineral and animal oils or greases. This material is also resistant to UV radiation and ozone.
Recommended in: Chemical

Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
1.24	2.62	102	12513979
1.78	1.78	004	12098489
2.06	2.62	103	12513980
2.57	1.78	005	12513950
2.84	2.62	104	12513981
2.9	1.78	006	12513951
3.63	2.62	105	12513982
3.68	1.78	007	10022375
4.34	3.53	201	11659775
4.42	2.62	106	12513983
4.47	1.78	008	10022376
5	2.5		12452732
5.23	2.62	107	12513984
5.28	1.78	009	12513952

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
6	1.5		10022402
6	2		11182196
6.02	2.62	108	11553244
6.07	1.78	010	10022377
7.59	2.62	109	12513985
7.65	1.78	011	12080856
8.1	1.6		11467063
8.73	1.78		11091977
9	3		11458919
9.19	2.62	110	12513986
9.25	1.78	012	11477829
10	2.5		11479536
10.77	2.62	111	11515811
10.82	1.78	013	11260676
11.89	1.98	906	11029532
11.91	1.78		11086531
12.37	2.62	112	12513987
12.42	1.78	014	11394595
13.94	2.62	113	12224698
14	1.78	015	10022371
14	2.5		12092337
14.3	2.4		12080423
15.54	2.62	114	11275020
15.6	1.78	016	11477830
16	3		10022399
16.36	2.21	908	11394598
16.81	5.33	313	11334143
17.12	2.62	115	10022380
17.17	1.78	017	10022378
17.86	2.62		11552985
18	2		12080414
18.64	3.53	210	11750908
18.72	2.62	116	11245880
18.77	1.78	018	12080421
19.18	2.46	910	12215897
19.5	5		12224697
19.99	5.33	315	12499926
20	1.5		12080418
20.22	3.53	211	10022384
20.29	2.62	117	12513989
20.35	1.78	019	11284580
20.7	2.5		12080428
21	4		10022400
21.82	3.53	212	10022385
21.89	2.62	118	12513990
21.95	1.78	020	12513953
22	2		11236395
23.16	5.33	317	11319747
23.39	3.53	213	11545239
23.47	2.62	119	11235709
25.07	2.62	120	12513991
25.12	1.78	022	12513954

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
26.57	3.53	215	11266831
26.64	2.62	121	12513992
26.7	1.78	023	11284594
28.17	3.53	216	11266833
28.24	2.62	122	12080413
28.3	1.78	024	12080422
29	3		12080415
29	3.5		11337652
29.74	3.53	217	11426199
29.82	2.62	123	12513993
29.87	1.78	025	12513955
31.42	2.62	124	10022381
31.47	1.78	026	12513956
32	4		12080425
32.69	5.33	323	12331182
32.92	3.53	219	10022387
32.99	2.62	125	12513994
33.05	1.78	027	12513957
34	2.5		11453770
34.29	5.33	324	11420450
34.59	2.62	126	12513995
34.65	1.78	028	12513958
35.5	3		11854746
36.17	2.62	127	12513996
37.77	2.62	128	12513997
37.82	1.78	029	12513959
38	3		11127574
39	1.5		11335754
39.34	2.62	129	12513998
40.87	3.53	223	11603495
40.94	2.62	130	12513999
42	5		11458920
42.52	2.62	131	12514000
44.12	2.62	132	11926889
44.17	1.78	031	12513960
45.69	2.62	133	12514001
47.22	3.53	225	12317784
47.29	2.62	134	11051983
47.35	1.78	032	11266832
48.9	2.62	135	12514002
50.17	5.33	329	11084987
50.39	3.53	226	11008106
50.47	2.62	136	11284593
50.52	1.78	033	10022379
52.07	2.62	137	12514003
53.64	2.62	138	12514004
53.7	1.78	034	12513961
55.25	2.62	139	10022382
56.74	3.53	228	12146290
56.82	2.62	140	12514005
56.87	1.78	035	12513962
58.42	2.62	141	12514006

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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	11926890
60.05	1.78	036	12513963
61.6	2.62	143	12514007
63.17	2.62	144	12514008
63.22	1.78	037	12513964
64.2	5.7		10022407
64.77	2.62	145	12514009
66	5		11479568
66.34	2.62	146	12514010
66.4	1.78	038	12513965
67.95	2.62	147	12514011
69.44	3.53	232	10022388
69.52	2.62	148	10022383
69.57	1.78	039	12513966
71.12	2.62	149	11926891
72	5		12080869
72.69	2.62	150	12514012
72.75	1.78	040	12513967
75.57	5.33	337	10022392
75.87	2.62	151	12514013
75.92	1.78	041	12513968
82.14	3.53	236	10022389
82.22	2.62	152	11926892
82.27	1.78	042	12513969
85.09	5.33	340	11127815
85.32	3.53	237	10022390
88.27	5.33	341	12080420
88.49	3.53	238	12488156
88.57	2.62	153	12514014
88.62	1.78	043	12513970
94.84	3.53	240	10022391
94.97	1.78	044	12513971
100.97	5.33	345	12092346
101.27	2.62	155	12514015
101.32	1.78	045	12513972
107.62	2.62	156	12514016
107.67	1.78	046	12513973
110.72	3.53	245	11916600
113.97	2.62	157	11464331
114.02	1.78	047	12513974
116.84	5.33	350	10022393
120.02	6.99	427	12080416
120.32	2.62	158	12514017
120.37	1.78	048	12513975
126.37	5.33	353	10022394
126.67	2.62	159	12514018
126.72	1.78	049	12513976
129.77	3.53	251	12110488
133.02	2.62	160	12514019
133.07	1.78	050	12513977
139.37	2.62	161	12514020
145.42	5.33	359	12407122

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Internal diameter	Cross section	Size according to AS568-BS1806-ISO3601	Article
mm	mm		Max. 200 articles in the table
145.72	2.62	162	12514021
149.3	5.7		10022411
150	4		11939434
152.07	2.62	163	12514022
155	5		12080868
169.1	8.4		10022412
171.04	3.53	261	11518187
179.3	5.7		11034524
189.87	5.33	367	12407099
208.92	5.33	370	12427561
221.62	5.33	372	11295168
227.97	6.99	447	11618283
239.5	3		10022404
240.67	6.99	448	11345853
266.07	5.33	378	11611061
291.47	6.99	452	11345852
316.87	6.99	454	11284400
342.27	6.99	456	11100486
345	4		11515822
367.67	6.99	458	10022372
393.07	6.99	460	10022373
405.26	5.33	385	10022395
405.26	6.99	461	10022374
430.66	3.53	283	11516102
430.66	5.33	386	10022396
456.06	6.99	465	11326044
506.86	6.99	469	11515816
582.68	5.33	392	11319043
633.48	6.99	474	11345851

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