



ERIKS O-ring EPDM 70 Compound 559270



You use this black O-ring made of EPDM as a seal for foodstuffs and beverages in static applications and slow, dynamic applications. This product has certificates for Europe (EC1935) and the United States (FDA and 3-A). It is also resistant to cleaning agents such as hot water and mild acids.

Characteristics

Material: EPDM

Colour: Black

Hardness: 70

Compound: 559270

Temperature range: -50 / 150 °C

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

Application

● Temperature resistance

This EPDM O-ring has an operating temperature range of -50°C to +150°C.

Maximum pressure

Compound 559270 has a Shore A hardness of 70. As a result, this O-ring is suitable for applications with a pressure of up to 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.

Do you have a slow, dynamic application with a pressure of 50 bars or higher? If so, we recommend using back-up rings in addition to an O-ring.

Chemical resistance

This EPDM rubber is highly resistant to acids, bases, solvents, hot water and steam. So it is suitable for CIP and SIP processes. This material is not resistant to mineral and animal oils and greases. However, it is resistant to ozone and UV radiation.

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		12254062
1.78	1.78	004		12254024
2.06	2.62	103		12254063
2.57	1.78	005		12254025
2.84	2.62	104		12254064
2.9	1.78	006		12254026
3.63	2.62	105		12254065
3.68	1.78	007		12254027
4.34	3.53	201		12254136
4.42	2.62	106		12254066
4.47	1.78	008		12254028
5.23	2.62	107		12254067
5.28	1.78	009		12254029
5.94	3.53	202		12254137

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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		12254068
6.07	1.78	010		12254030
7.52	3.53	203		12254138
7.59	2.62	109		12254069
7.65	1.78	011		12254031
9	3			11288146
9.12	3.53	204		12254139
9.19	2.62	110		12254071
9.25	1.78	012		12254032
10	1			11478444
10	2			12084918
10	3			12254070
10.69	3.53	205		12254140
10.77	2.62	111		12254072
10.82	1.78	013		11229901
12	1.5			11608175
12	2			12254085
12	3			12177786
12	3.5		DIN118641-DN10	12254086
12.29	3.53	206		12254141
12.37	2.62	112		11862395
12.42	1.78	014		12254033
13.87	3.53	207		12254142
13.94	2.62	113		12254073
14	1.78	015		12254034
14	3			11932206
15	2			12254112
15	3			12254113
15.47	3.53	208		12254143
15.54	2.62	114		12254074
15.6	1.78	016		12254035
16.81	5.33	313		12224795
17.04	3.53	209		12254144
17.12	2.62	115		12254075
17.17	1.78	017		12254036
18	3			12254133
18	3.5		DIN118641-DN15	12254134
18.64	3.53	210		11262384
18.72	2.62	116		12254076
18.77	1.78	018		12244089
19.2	3			12254135
20	2			11739654
20	3			12254146
20.22	3.53	211		11385809
20.29	2.62	117		12254077
20.35	1.78	019		12033812
21.59	5.33	316		12224794
21.89	2.62	118		12254078
21.95	1.78	020		11232693
22	3			11325413
23	3			11915553
23.16	5.33	317		12158780

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mm	mm			Max. 200 articles in the table
23.47	2.62	119		12254079
23.52	1.78	021		11559537
24.77	5.33	318		12137455
24.99	3.53	214		11461749
25.07	2.62	120		11935418
25.12	1.78	022		12254037
26.57	3.53	215		11659683
26.64	2.62	121		11353935
26.7	1.78	023		12254038
28.17	3.53	216		11235993
28.24	2.62	122		12254080
28.3	1.78	024		12254039
29.2	3			11541990
29.82	2.62	123		11608176
29.87	1.78	025		12254040
31.34	3.53	218		12249116
31.42	2.62	124		11450686
31.47	1.78	026		12254041
32	3			12150655
32	5			11750946
32.69	5.33	323		12107426
32.92	3.53	219		12097256
32.99	2.62	125		12254081
33.05	1.78	027		12254042
34.1	3.6			12088626
34.59	2.62	126		11608172
34.65	1.78	028		11236211
36.17	2.62	127		12254082
37.47	5.33	325		11385812
37.69	3.53	222		11608181
37.77	2.62	128		12254083
37.82	1.78	029		12244091
39.34	2.62	129		12254084
40	5		DIN118641-DN40	11285702
40.64	5.33	326		12224797
40.94	2.62	130		11608174
41	1.78	030		11608179
42.52	2.62	131		12254087
44.04	3.53	224		11235672
44.12	2.62	132		12254088
44.17	1.78	031		12254043
45.69	2.62	133		11930187
47.29	2.62	134		12254089
47.35	1.78	032		11453239
48.9	2.62	135		12254090
50	3			11325416
50.39	3.53	226		11454971
50.47	2.62	136		12254091
50.52	1.78	033		12254044
52.07	2.62	137		12254092
53.57	3.53	227		12249117
53.64	2.62	138		12254093

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mm	mm			Max. 200 articles in the table
53.7	1.78	034		12254045
55.25	2.62	139		12254094
56.74	3.53	228		11454972
56.82	2.62	140		11930188
56.87	1.78	035		12254046
58.42	2.62	141		12254095
59.99	2.62	142		12254096
60.05	1.78	036		12254047
61.6	2.62	143		12254097
63.09	3.53	230		11385814
63.17	2.62	144		12224796
63.22	1.78	037		12254048
64.77	2.62	145		12254098
66.34	2.62	146		12254099
66.4	1.78	038		12254049
67.95	2.62	147		11930183
69.22	5.33	335		11393579
69.44	3.53	232		11235994
69.52	2.62	148		12254100
69.57	1.78	039		12254050
71.12	2.62	149		12254101
72.39	5.33	336		11296829
72.69	2.62	150		12254102
72.75	1.78	040		12254051
75.87	2.62	151		12254103
75.92	1.78	041		12254052
81.92	5.33	339		11393581
82.22	2.62	152		12254104
82.27	1.78	042		12254053
85	5			12158379
88.49	3.53	238		11236209
88.57	2.62	153		12254105
88.62	1.78	043		12224798
94.84	3.53	240		12249118
94.92	2.62	154		12212336
94.97	1.78	044		12254054
100	2			12183949
100	5			12254061
101.27	2.62	155		12254106
101.32	1.78	045		12254055
107.62	2.62	156		12254107
107.67	1.78	046		12254056
113.67	5.33	349		11231849
113.97	2.62	157		12254108
114.02	1.78	047		12254057
120.32	2.62	158		12254109
120.37	1.78	048		12254058
123.19	5.33	352		11296828
126.67	2.62	159		12254110
126.72	1.78	049		12254059
130	5			11033578
133.02	2.62	160		11935420

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mm	mm			Max. 200 articles in the table
133.07	1.78	050		12254060
139.37	2.62	161		12254115
140	5			11291011
145.72	2.62	162		12254116
148.59	5.33	360		11236210
152.07	2.62	163		11450618
158.42	2.62	164		12254117
164.77	2.62	165		12254118
171.12	2.62	166		12254119
177.17	5.33	365		11231848
177.47	2.62	167		12254120
183.74	3.53	263		12081363
183.82	2.62	168		12254121
190.17	2.62	169		12254122
196.52	2.62	170		12254123
202.87	2.62	171		12254124
209.22	2.62	172		12254125
215.27	6.99	446		11235256
215.57	2.62	173		12254126
221.92	2.62	174		12254127
228.27	2.62	175		12254128
234.62	2.62	176		12254129
240.97	2.62	177		12254130
247.32	2.62	178		12254131
253.37	6.99	449		11235255
278.77	5.33	379		12243184
291.69	3.53	277		11461755
304.39	3.53	278		12115156
342.27	6.99	456		11306713

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