



ERIKS O-ring EPDM 70 Compound 55985



The black Compound 55985 O-ring from ERIKS has been specifically designed for static applications and slow, dynamic applications involving drinking water. This O-ring is certified for use in drinking water systems in many European countries [KIWA, WRAS, ACS, UBA, KTW, W270 and Belgaqua], and also in the United States [NSF]. Are you looking for an EPDM O-ring for the food industry? If so, choose Compound 559270. If you need a seal for the pharmaceutical industry, use Compound 559273.

Characteristics

Material: EPDM

Colour: Black

Hardness: 70

Compound: 55985

Temperature range: -45 / 150 °C

Approvals/compliances: EN681-1 WA-WB-WC-WD, ACS, Swiss LGV 817.02, KIWA-ATA, EC1935/2004, WRAS, FDA 21 CFR 177.2600, TSCA, Belgaqua, AfPS GS (PAK), DVGW W270, USP, UBA Elastomerleitlinie, NSF

Application

• Temperature resistance

This EPDM O-ring has an operating temperature range of -45°C to +150°C.

Maximum pressure

This EPDM O-ring seal has a Shore A hardness of 70. 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 O-ring 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 EPDM rubber is the ideal material for applications involving drinking water. It is also resistant to hot water and steam.

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
1.78	1.78	004		BS004EP70-55985
2.57	1.78	005		BS005EP70-55985
2.9	1.78	006		BS006EP70-55985
2.06	2.62	103		BS103EP70-55985
2.84	2.62	104		BS104EP70-55985
3.68	1.78	007		BS007EP70-55985
3.63	2.62	105		BS105EP70-55985
4.47	1.78	008		BS008EP70-55985
4.42	2.62	106		BS106EP70-55985
4.34	3.53	201		BS201EP70-55985
5	1.8			5X1.8EP70-55985
5.28	1.78	009		BS009EP70-55985
5.23	2.62	107		BS107EP70-55985

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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
5.94	3.53	202		BS202EP70-55985
6	1.5			6X1.5EP70-55985
6.1	1.6			6.1X1.6EP70-55985
6.07	1.78	010		BS010EP70-55985
6	2			6X2EP70-55985
6.02	2.62	108		BS108EP70-55985
7.65	1.78	011		BS011EP70-55985
7	2			7X2EP70-55985
7.59	2.62	109		BS109EP70-55985
7.52	3.53	203		BS203EP70-55985
8.1	1.6			8.1X1.6EP70-55985
8	2			8X2EP70-55985
9.25	1.78	012		BS012EP70-55985
9.6	2.4			9.6X2.4EP70-55985
9.19	2.62	110		BS110EP70-55985
9.12	3.53	204		BS204EP70-55985
10.1	1.6			10.1X1.6EP70-55985
10.82	1.78	013		BS013EP70-55985
10	2			10X2EP70-55985
10.77	2.62	111		BS111EP70-55985
10.69	3.53	205		BS205EP70-55985
11	2			11X2EP70-55985
12	1.5			12X1.5EP70-55985
12.42	1.78	014		BS014EP70-55985
12.37	2.62	112		BS112EP70-55985
12	3.5		DIN118641-DN10	12X3.5EP70-55985
12.29	3.53	206		BS206EP70-55985
13	2			13X2EP70-55985
13.94	2.62	113		BS113EP70-55985
13.87	3.53	207		BS207EP70-55985
14	1.78	015		BS015EP70-55985
14	2			14X2EP70-55985
14.6	2.4			14.6X2.4EP70-55985
15.6	1.78	016		BS016EP70-55985
15	2			15X2EP70-55985
15.6	2.4			15.6X2.4EP70-55985
15.54	2.62	114		BS114EP70-55985
15	3			15X3EP70-55985
15.47	3.53	208		BS208EP70-55985
16	2.5			16X2.5EP70-55985
17.17	1.78	017		BS017EP70-55985
17.12	2.62	115		BS115EP70-55985
17.04	3.53	209		BS209EP70-55985
17	4			17X4EP70-55985
18.77	1.78	018		BS018EP70-55985
18	2			18X2EP70-55985
18	2.5			18X2.5EP70-55985
18.72	2.62	116		BS116EP70-55985
18	3			18X3EP70-55985
18.64	3.53	210		BS210EP70-55985
20.35	1.78	019		BS019EP70-55985
20.29	2.62	117		BS117EP70-55985

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mm	mm			Max. 200 articles in the table
20	3.5			20X3.5EP70-55985
20.22	3.53	211		BS211EP70-55985
20	4			20X4EP70-55985
21.95	1.78	020		BS020EP70-55985
21.89	2.62	118		BS118EP70-55985
21.82	3.53	212		BS212EP70-55985
22	1.5			22X1.5EP70-55985
22	3			22X3EP70-55985
22	3.5		DIN118641-DN20	22X3.5EP70-55985
23.52	1.78	021		BS021EP70-55985
23.47	2.62	119		BS119EP70-55985
23.39	3.53	213		BS213EP70-55985
24.99	3.53	214		BS214EP70-55985
25.12	1.78	022		BS022EP70-55985
25.07	2.62	120		BS120EP70-55985
26.7	1.78	023		BS023EP70-55985
26.64	2.62	121		BS121EP70-55985
26.57	3.53	215		BS215EP70-55985
28.3	1.78	024		BS024EP70-55985
28.24	2.62	122		BS122EP70-55985
28.17	3.53	216		BS216EP70-55985
29.87	1.78	025		BS025EP70-55985
29.82	2.62	123		BS123EP70-55985
29.74	3.53	217		BS217EP70-55985
30	3			30X3EP70-55985
31.47	1.78	026		BS026EP70-55985
31.42	2.62	124		BS124EP70-55985
31.34	3.53	218		BS218EP70-55985
32	2			32X2EP70-55985
32.99	2.62	125		BS125EP70-55985
32.92	3.53	219		BS219EP70-55985
32	5			32X5EP70-55985
33.05	1.78	027		BS027EP70-55985
34.65	1.78	028		BS028EP70-55985
34.59	2.62	126		BS126EP70-55985
34.52	3.53	220		BS220EP70-55985
34	5		DIN118641-DN32	34X5EP70-55985
35	2			35X2EP70-55985
35	4			35X4EP70-55985
36.17	2.62	127		BS127EP70-55985
36.09	3.53	221		BS221EP70-55985
37.82	1.78	029		BS029EP70-55985
37.77	2.62	128		BS128EP70-55985
37.69	3.53	222		BS222EP70-55985
37	5			37X5EP70-55985
39.34	2.62	129		BS129EP70-55985
40.94	2.62	130		BS130EP70-55985
40.87	3.53	223		BS223EP70-55985
40	4			40X4EP70-55985
41	1.78	030		BS030EP70-55985
42.52	2.62	131		BS131EP70-55985
42	4			42X4EP70-55985

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mm	mm			Max. 200 articles in the table
44.17	1.78	031		BS031EP70-55985
44.12	2.62	132		BS132EP70-55985
44.04	3.53	224		BS224EP70-55985
45.69	2.62	133		BS133EP70-55985
47.35	1.78	032		BS032EP70-55985
47.29	2.62	134		BS134EP70-55985
47.22	3.53	225		BS225EP70-55985
48.9	2.62	135		BS135EP70-55985
49.5	3			49.5X3EP70-55985
49.3	5.7			49.3X5.7EP70-55985
50.52	1.78	033		BS033EP70-55985
50.47	2.62	136		BS136EP70-55985
50	3			50X3EP70-55985
50	4			50X4EP70-55985
52.07	2.62	137		BS137EP70-55985
52	5		DIN118641-DN50	52X5EP70-55985
53.7	1.78	034		BS034EP70-55985
53.64	2.62	138		BS138EP70-55985
54.6	2.4			54.6X2.4EP70-55985
55.25	2.62	139		BS139EP70-55985
55	3			55X3EP70-55985
56.87	1.78	035		BS035EP70-55985
56.82	2.62	140		BS140EP70-55985
58.42	2.62	141		BS141EP70-55985
59.99	2.62	142		BS142EP70-55985
60.05	1.78	036		BS036EP70-55985
61.6	2.62	143		BS143EP70-55985
63.22	1.78	037		BS037EP70-55985
63.17	2.62	144		BS144EP70-55985
64.77	2.62	145		BS145EP70-55985
64.3	5.7			64.3X5.7EP70-55985
66.4	1.78	038		BS038EP70-55985
66.34	2.62	146		BS146EP70-55985
67.95	2.62	147		BS147EP70-55985
68	5		DIN118641-DN65	68X5EP70-55985
69.57	1.78	039		BS039EP70-55985
69.52	2.62	148		BS148EP70-55985
69.5	3			69.5X3EP70-55985
69.2	5.7			69.2X5.7EP70-55985
71.12	2.62	149		BS149EP70-55985
72.75	1.78	040		BS040EP70-55985
72.69	2.62	150		BS150EP70-55985
75.92	1.78	041		BS041EP70-55985
75.87	2.62	151		BS151EP70-55985
79.3	5.7			79.3X5.7EP70-55985
82.27	1.78	042		BS042EP70-55985
82.22	2.62	152		BS152EP70-55985
85	3			85X3EP70-55985
88.57	2.62	153		BS153EP70-55985
94.97	1.78	044		BS044EP70-55985
94.92	2.62	154		BS154EP70-55985
100	5			100X5EP70-55985

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mm	mm			Max. 200 articles in the table
101.32	1.78	045		BS045EP70-55985
101.27	2.62	155		BS155EP70-55985
107.67	1.78	046		BS046EP70-55985
107.62	2.62	156		BS156EP70-55985
113.97	2.62	157		BS157EP70-55985
114.02	1.78	047		BS047EP70-55985
119.5	3			119.5X3EP70-55985
119.3	5.7			119.3X5.7EP70-55985
120.37	1.78	048		BS048EP70-55985
120.32	2.62	158		BS158EP70-55985
126.67	2.62	159		BS159EP70-55985
139.37	2.62	161		BS161EP70-55985
139.5	3			139.5X3EP70-55985
145.72	2.62	162		BS162EP70-55985
149.3	5.7			149.3X5.7EP70-55985
152.07	2.62	163		BS163EP70-55985
158.42	2.62	164		BS164EP70-55985
164.77	2.62	165		BS165EP70-55985
171.12	2.62	166		BS166EP70-55985
177.47	2.62	167		BS167EP70-55985
179.3	5.7			179.3X5.7EP70-55985
183.82	2.62	168		BS168EP70-55985
184.3	5.7			184.3X5.7EP70-55985
196.52	2.62	170		BS170EP70-55985
202.87	2.62	171		BS171EP70-55985
215.57	2.62	173		BS173EP70-55985
221.92	2.62	174		BS174EP70-55985
240.97	2.62	177		BS177EP70-55985
247.32	2.62	178		BS178EP70-55985
419.3	5.7			419.3X5.7EP70-55985

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