

O-ring FKM

Item description/product images



Description

Material:

FKM.

Version:

Shore hardness ~ 70, black.

Note:

O-rings are universally applicable sealing elements for sealing against liquid or gaseous media. They are suitable for static and subordinate dynamic applications. O-rings can be installed for both radial and axial sealing. The sealing effect results from the axial or radial compression of the cross-section during installation. When installed, the pressure of the medium increases the deformation of the O-ring, improving the sealing effect. For optimum sealing, O-rings with the largest possible cord thickness should be selected.

During installation, care must be taken to ensure correct groove size, compression, expansion and/or compaction.

Relative to the O-ring inner diameter, the following should not be exceeded

max. 6% expansion

max. 3% compression.

FKM has very good resistance to ozone, oxygen, ageing and weathering. It offers very good thermal and chemical resistance, as well as low gas permeability, making it suitable for high vacuum applications. It is also flame-resistant and has a low compression set.

Chemically, FKM is highly resistant to mineral, vegetable and animal oils, fuels, many alkalis, acids and solvents. However, it is less resistant to polar solvents, certain alkalis and superheated steam.

The suitability for the respective application must be checked by the user.

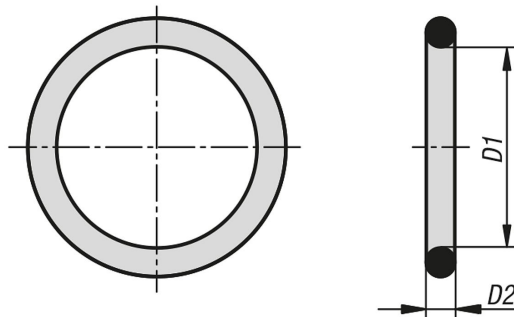
Temperature range:

-20 °C to +200 °C.

On request:

Other dimensions.

Drawings



Overview of items

O-ring FKM

Order No.	D1	D2
K2418.00257178	2,57	1,78
K2418.00350150	3,5	1,5
K2418.00368178	3,68	1,78
K2418.00448178	4,48	1,78
K2418.00500100	5	1
K2418.00528178	5,28	1,78
K2418.00600200	6	2
K2418.00607178	6,07	1,78
K2418.00765178	7,65	1,78
K2418.00800250	8	2,5
K2418.01000150	10	1,5
K2418.01000200	10	2
K2418.01000300	10	3
K2418.01077262	10,77	2,62
K2418.01082178	10,82	1,78
K2418.01200350	12	3,5
K2418.01242178	12,42	1,78
K2418.01530240	15,3	2,4
K2418.01554262	15,54	2,62
K2418.01600200	16	2
K2418.01600300	16	3
K2418.01630240	16,3	2,4
K2418.01712262	17,12	2,62
K2418.01800350	18	3,5
K2418.02000300	20	3
K2418.02000350	20	3,5
K2418.02035178	20,35	1,78
K2418.02200300	22	3
K2418.02200350	22	3,5
K2418.02400350	24	3,5
K2418.02600350	26	3,5
K2418.02982262	29,82	2,62
K2418.03134353	31,34	3,53
K2418.03200500	32	5
K2418.03400500	34	5
K2418.03700500	37	5
K2418.04000500	40	5
K2418.05000500	50	5
K2418.05039353	50,39	3,53
K2418.05200500	52	5
K2418.05674353	56,74	3,53
K2418.06200500	62	5
K2418.06800500	68	5
K2418.07262353	72,62	3,53
K2418.07500500	75	5
K2418.08300500	83	5
K2418.08532353	85,32	3,53
K2418.10000500	100	5
K2418.10200500	102	5