



GARLOCK PS-SEAL Standard

Due to its high quality, the GARLOCK PS-seal is the most popular PTFE lip seal in our range. The components that make up the seal are a Gylon (PTFE) sealing lip, a stainless steel 316-L metal housing and a static sealing ring made from FKM. This product can be used in both lubricated and non-lubricated applications where a rubber oil seal is not up to the job, due, for example, to high pressures, high temperatures, high rotational speeds or abrasive media. The PS-seal is also suitable for applications in the food industry. You must make sure that you choose an appropriate material in that case.

Characteristics

Material lip: Multifil

Application

- Materials
 - Gylon Black: standard - for high speeds or high pressures in a lubricated application
 - Gylon White: for the food industry - suitable for dry applications
 - Gylon Blue: for the food industry and pharmaceuticals - suitable for dry applications - flexible material
 - F: for the food industry - suitable for dry applications and applications involving a vacuum
 - MS: suitable for abrasive media
 - KF: suitable for abrasive media and dry applications
 - Gylon Brown-White: for the food industry - has full certification - suitable for dry applications and abrasive media
- Temperature resistance

The PS-seal has an operating temperature range from -90 °C to +260 °C. The exact temperature resistance is dependent on other parameters in each application.
- Maximum pressure

The PS seal can withstand a maximum pressure of 10 bars as standard. Special versions of the PS-seal can be used up to 25 bars; please contact our specialists for more information. Please note that a high rotational speed in your application reduces the maximum pressure this product can withstand.
- Chemical resistance

Compared to rubber, PTFE has good resistance to a much broader range of chemicals.

Shaft diameter mm	Housing diameter mm	Article
8	18	10013748
12	28	11401695
12	28	10013749
15	30	10013750
17	28	10013751
17	35	10013752
20	35	10013753
22	40	10013754
25	35	10013755
25	42	10013756
25	45	10013762
25	52	11167036
28	47	10013763
30	47	10013764
30	47	11218845

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Shaft diameter	Housing diameter	Article
mm	mm	
32	47	10013757
32	47	10013765
35	47	10013758
35	50	10013766
35	50	10013794
40	55	10013767
40	60	10013768
40	60	11369958
40	62	10013769
42	60	10013770
42	62	10013759
45	62	10013771
45	62	10013792
45	65	10013772
45	65	10013795
48	65	10013773
50	65	10013774
50	65	11016704
50	70	10013775
50	70	11230690
50	72	10013776
50.8	69.85	10013800
55	72	10013777
60	75	10013760
60	80	10013778
62	80	10013779
65	80	11020281
65	85	10013780
70	90	10013781
75	95	10013782
75	100	10013784
80	100	10013785
80	100	11054139
85	110	10013786
90	110	10013787
95	120	12139201
100	130	10013788
110	140	10013789
140	165	10013791
150	180	11232375

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