

GYLON BIO-PRO®

Quality PTFE seals for the pharmaceutical and food processing industry

Description

GYLON BIO-PRO® is a preformed gasket manufactured from GYLON® Style 3504. This high performance gasketing product shows an excellent chemical resistance and is therefore suited to handle all CIP- and SIP-cleaning processes. The dimensional stability (no cold flow, no intrusion/recession and no gap extrusion) is outstanding. GYLON BIO-PRO® is therefore especially in the Pharma- and Food industry the preferred choice and is ideal for product-contact applications.



Main Segments

» Pharmaceutical
» Food

Certificates/Declarations*

» FDA 21 CFR177.1550
» EC1935/2004 incl. EC10/2011
» USP Class VI <87>, <88>
» USP <31>, <281>, <661>
» BAM tested
» Phthalate free
» Silicone free
» ADI free (EMA 410/01)
» Hydrocheck

Key Benefits

» High dimensional stability
» Stopped cold flow
» No intrusion/recession
» No gap extrusion
» Excellent chemical resistance**
» Masters all CIP- and SIP-cleaning processes
» Excellent cleanability of gasket
» Wide temperature range
» High pressure & vacuum duties

Features*

» Temperature: -268 °C to +260 °C
» Pressure: up to 55 bar
» Filler: Aluminosilicate microspheres
» Production site: Germany

* Depending on product and application details.

** See Garlock resistance table.

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Gasket dimensions, item numbers and packaging units***

DIN 11850 (DIN 32676: Row A) (DIN 11866 Row A)			
Item no.	DN	ID [mm]	OD [mm]
FAB08-10144	6 _{T1}	6,2	21,8
FAB08-11044	8 _{T1}	8,2	21,8
FAB08-11016	10	10,2	34
FAB08-11024	15	16,2	34
FAB08-11029	20	20,2	34
FAB08-11033	25	26,2	50,5
FAB08-11037	32	32,2	50,5
FAB08-11038	40	38,2	50,5
FAB08-11041	50	50,2	64
FAB08-11043	65	66,2	91
FAB08-11045	80	81,2	106
FAB08-11019	100	100,2	119
FAB08-11023	125	125,2	155
FAB08-11026	150	150,2	183
FAB08-11032	200	200,2	233,5
FAB08-11015**	300	300,0	319,0

ISO 1127 (DIN 32676: Row B) (DIN 11866 Row B)			
Item no.	DN	ID [mm]	OD [mm]
FAB08-12011	10,2 _{T1}	7,2	21,8
FAB08-11063	13,5 _{T1}	10,5	21,8
FAB08-11050	17,2 _{T1}	14,2	21,8
FAB08-11072	21,3	18,3	50,5
FAB08-11054	26,9	23,9	50,5
FAB08-11056	33,7	29,9	50,5
FAB08-11057	42,4	38,6	64
FAB08-11058	48,3	44,5	64
FAB08-11059	60,3	56,5	77,5
FAB08-11060	76,1	72,3	91
FAB08-11062	88,9	84,5	106
FAB08-11022	114,3	109,9	130
FAB08-11206	139,7	134,7	155
FAB08-11156	168,3	163,3	183
FAB08-11055	219,1	214,1	233,5

ASME BPE - 2014 (DIN 32676: Row C) (DIN 11866 Row C)			
Item no.	DN	ID [mm]	OD [mm]
FAB08-11154	1/4" T1	4,8	21,8
FAB08-11146	3/8" T1	8	21,8
FAB08-11001*	1/2" T1	9,6	21,8
FAB08-11002*	3/4" T1	16	21,8
FAB08-11003*	1"	22,3	50,5
FAB08-11006*	1-1/2"	35	50,5
FAB08-11008*	2"	47,7	64
FAB08-11010*	2-1/2"	60,4	77,5
FAB08-11011*	3"	73,1	91
FAB08-11012*	4"	97,6	119
FAB08-11099*	6"	147,1	167
FAB08-12009**	8"	197,6	217,7
FAB08-11015**	12"	300	319

* Equal to BS 4825-3 (British Standard)

** not included within corresponding standard

ISO 2852			
Item no.	DN	ID [mm]	OD [mm]
FAB08-11061	12	10,2	34
FAB08-11071	12,7	10,9	34
FAB08-11028	17,2	15,4	34
FAB08-11202	21,3	19,5	34
FAB08-11064	25	22,8	50,5
FAB08-11204	33,7	31,5	50,5
FAB08-11149	38	35,8	50,5
FAB08-11074	40	37,8	64
FAB08-11150	51	48,8	64
FAB08-11067	63,5	60,5	77,5
FAB08-11094	70	67	91
FAB08-11068	76,1	73,1	91
FAB08-11203	88,9	85,1	106
FAB08-11069	101,6	97,8	119
FAB08-11049	114,3	110,5	130
FAB08-11051	139,7	135,9	155
FAB08-10134	168,3	163,3	183
FAB08-11073	219,1	214,1	233,5

SMS 3019			
Item no.	DN	ID [mm]	OD [mm]
FAB08-11147	12	10	34
FAB08-11148	18	16,2	34
FAB08-11084	25	22,8	50,5
FAB08-11199	33,7	31,5	50,5
FAB0811087	38	35,8	50,5
FAB08-11131	42	39,2	50,5
FAB08-11132	48,3	45,1	64
FAB08-11090	51	48,8	64
FAB08-11093	63,5	60,5	77,5
FAB08-11151	76,1	73,1	91
FAB08-11200	88,9	85,1	106
FAB08-11077	101,6	97,8	119
FAB08-11013	114,3	110,5	130
FAB08-11152	139,7	135,9	155
FAB08-11157	168,3	163,3	183
FAB08-11153	219,1	214,1	233,5

Packaging Unit (PU)	
DN	Pieces per PU
1/4" T1 bis 3/4" T1	50
6 T1 bis 8 T1	50
13,5 T1	50
1" bis 2-1/2"	25
10 bis 63,5	25
3" bis 4"	10
65 bis 101,6	10
114,3 bis 139,7	5
6"	1
150 bis 219,1	1

T1 = Mini-Clamp

T2 = Standard-Clamp

*** For further information on gasket dimensions without a listed item number please contact Garlock's Static Seal department.

Note:
Properties/applications shown throughout this brochure are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult Garlock. Failure to select the proper sealing products could result in property damage and/or serious personal injury. Performance data published in this brochure has been developed from field testing, customer field reports and/or in-house testing. While the utmost care has been used in compiling this brochure, we assume no responsibility for errors. Specifications subject to change without notice. This edition cancels all previous issues. Subject to change without notice GARLOCK is a registered trademark for packings, seals, gaskets, and other products of Garlock.
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GARLOCK GMBH

an Enpro Company

Falkenweg 1, 41468 Neuss, Germany

+49 2131 349 0

garlockgmbh@garlock.com

www.garlock.com

Garlock Sealing Technologies

Garlock USA

Garlock Australia

Garlock Canada

Garlock China

Garlock Germany

Garlock India

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