

## GYLON BIO-ECO®

Quality PTFE seals for the pharmaceutical and food processing industry

### Description

GYLON BIO-ECO® is a preformed gasket manufactured from GYLON® Style 3504 to seal flange connections according to DIN 11851 and SMS 1149. 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 is outstanding and guarantees a flush mounting of the seal. GYLON BIO-ECO® 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 and item numbers \*\*\*

(DIN 11851, Model M1)				
Item no.	DN	Ø d [mm]	Ø D [mm]	T [mm]
FAB09-10028	10	12	20	3,8
FAB09-10029	15	18	26	3,8
FAB09-10030	20	23	33	3,8
FAB09-10031	25	30	40	4,8
FAB09-10032	32	36	46	4,8
FAB09-10033	40	42	52	4,8
FAB09-10034	50	54	64	4,8
FAB09-10035	65	71	81	4,8
FAB09-10036	80	85	95	4,8
FAB09-10038	100	104	114	6,4
FAB09-10039	125	130	142	6,4
FAB09-10040	150	155	167	6,4

(DIN 11851, Model M2)					
Item no.	DN	Ø d [mm]	Ø d [1mm]	Ø D [mm]	T [mm]
FAB09-10041	10	10,5	12	20	3,8
FAB09-10042	15	16,5	18	26	3,8
FAB09-10043	20	20,5	23	33	3,8
FAB09-10044	25	26,5	30	40	4,8
FAB09-10045	32	32,5	36	46	4,8
FAB09-10046	40	38,5	42	52	4,8
FAB09-10047	50	50,5	54	64	4,8
FAB09-10048	65	66,5	71	81	4,8
FAB09-10049	80	81,5	85	95	4,8
FAB09-10121	100	100,5	104	114	6,4
FAB09-10125	125	125	130	142	6,4
FAB09-10126	150	150	155	167	6,4

SMS 1149, Model M1				
Item no.	DN	Ø d [mm]	Ø D [mm]	T [mm]
FAB09-10090	25	25	32	4,8
FAB09-10128	32	32	40	4,8
FAB09-10091	38	38	48	4,8
FAB09-10092	51	51	61	4,8
FAB09-10093	63,5	63,5	73,5	4,8
FAB09-10094	76	76	86	4,8
FAB09-10129	89	89	101	4,8
FAB09-10130	108	108	120	4,8
FAB09-10095	104 (s)	104	116	4,8
FAB09-10040	150	155	167	167

SMS 1149, Model M2					
Item no.	DN	Ø d [mm]	Ø d [1mm]	Ø D [mm]	T [mm]
FAB09-10054	25	22,5	25	32	4,8
FAB09-10055	38	35,5	38	48	4,8
FAB09-10056	51	48,5	51	61	4,8
FAB09-10057	63,5	60,5	63,5	73,5	4,8
FAB09-10058	76	72,9	76	86	4,8
FAB09-10127	101 (s)	98	104	116	4,8
FAB09-10059	104 (s)	101	104	116	4,8

s (Special Size)

\*\*\* 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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