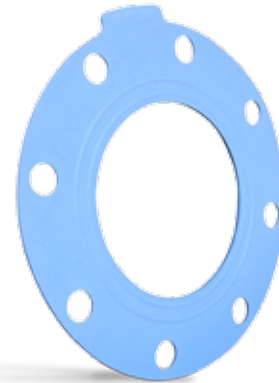


STRESS-SAVER® GYLON® Style 3504

Description

STRESS-SAVER® GYLON® Style 3504 (blue), is a high performance gasketing material made of multi-layered PTFE for permanent resilience. It is highly compressible/flexible and provides better recovery, especially suitable for low-stress components requiring low bolt torque loads, i. Ex. enameled and plastic flanges, glass tubes, GRP (Glass Reinforced Plastic) and FRP (Fiberglass Reinforced Plastic), liner contact or PE/PP flanges. Due to the molded concentric rings located on the surface, already lowest torque values can reach ideal load situations.



Main Segments

» Chemical Industry
» Petrochemical Industry
» Metal Industry
» Food and Beverage Industry
» Pharmaceutical Industry

Certificates/Declarations*

» FDA
» KTW
» BAM
» EC1935/2004 incl. EC10/2011
» TA – Luft incl. blow out proofness
» DIN EN 13555 Characteristics
» Phthalate free
» Silikone free
» ADI free (EMEA 410/01)
» USP Class VI <88>
» USP <87>
» Hydrocheck (Belgaqua)

Key Benefits

» Minimum seating stress (load) 10 Mpa (200 Mpa max. load)
» Recommended for glass-lined flanges
» High recovery under working conditions
» Large working range
» Wide temperature range
» Stopped cold flow
» High resilience
» High pressure, vacuum and ultra-vacuum duties
» Excellent chemical resistance**
» Good electrical insulating properties
» Unlimited shelf-life
» Weather and UV-resistant

Features*

» Temperature range : -268°C up to +260°C
» Pressure: up to 55 bar (main load condition)
» Shore hardness: D59
» Available thickness: 3,8mm (.150")
» Compressibility (ASTM F36) 25-45%
» Recovery (ASTM F36) 30%
» Fluid services**: Moderate concentrations of acids, Some caustics, Hydrocarbons, Solvents, Hydrogen peroxide, Refrigerants and Cryogenics
» Filler: Aluminosilicate-microspheres

* Depending on product and application details

** See Garlock resistance table

STRESS-SAVER® GYLON® Style 3504

Item-Number for ASME sizes STRESS-SAVER® GYLON® Style 3504	Size in INCH (DN)	
37035 - 5101	1"	(25)
37035 - 5193	1,5"	(40)
37035 - 5102	2"	(50)
37035 - 5103	3"	(80)
37035 - 5104	4"	(100)
37035 - 5106	6"	(150)
37035 - 5108	8"	(200)
37035 - 5110	10"	(250)
37035 - 5112	12"	(300)

Item-Number for DIN sizes STRESS-SAVER® GYLON® Style 3504	SIZE (DN)
36031 - 0001	25
36031 - 0002	40
36030 - 0008	32
36031 - 0003	50
36030 - 0009	65
36031 - 0004	80
36031 - 0005	100
36031 - 0006	150
36031 - 0007	200
36031 - 0008	250
36031 - 0009	300

Sealing characteristics in according to DIN EN 13555

DIN EN 13555 characteristics		Test method	Unit	STRESS-SAVER® GYLON® Style 3504
Maximum load during installation Q_s max	20 °C	EN 13555	[MPa]	200
	150 °C	EN 13555	[MPa]	80
	250 °C	EN 13555	[MPa]	50
Minimum needed load during installation Q_{min} (L=0,01)	40 bar	EN 13555	[MPa]	5
	20 bar	EN 13555	[MPa]	5
	40 bar	EN 13555	[MPa]	5
	55 bar	EN 13555	[MPa]	10
Minimum load during operation Q_s min (L=0,01)		EN 13555	[bar]	[MPa]
			10	<05
			20	<06
			40	<00
Maximum sealant-class T_p = 20 °C; with less than Q_s min/L 20[MPa]		EN 13555	[bar]	L[mg/(s*m)]
			10 & 20	1,0x10E-04
			40 & 55	1,0x10E-03

(L) = Leakage rate

	Test method	Unit	STRESS-SAVER® GYLON® Style 3504		
Temperature	EN 13555	[°C]	20	150	250
PQR at Load-Level 1	EN 13555	10 [MPa]	0,83	0,63	0,40
PQR at Load-Level 2	EN 13555	30 [MPa]	0,86	0,43	0,24
PQR at Q_s max	EN 13555	200/80/50 [MPa]	0,95	0,51	0,25

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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