Garlock
An ENPRO Company

Garlock STRESS SAVER® 3522

MATERIAL PROPERTIES*:

Color:	Clear, translucent
Composition:	100% restructured PTFE
Fluid Services (see chemical resistance guide)**:**	Strong acids, caustics, solvents, food and beverage products
Temperature[1], °F (°C)	
Minimum:	-450 (-268)
Maximum:	+500 (+260)
Ideal Operating Limit:	+400 (+204)
Pressure[1], Maximum, psig (bar):	
Minimum:	Full Vacuum
Maximum:	1200 (83) in metal flanges
Ideal Operating Limit:	750 (52) in metal flanges
P x T (max.)[1], psig x °F (bar x °C):	250,000 (8,600)
Size Range:	½" through 8"-150#
Bacterial Growth:	Will Not Support
Meets Specifications:	NSF/ANSI/CAN 61-G & 372, FDA Regulation 21 CFR 177.1550, 3A Sanitary Standard #20, USP Class VI Chapter <87> and <88>, USP Chapters <281> and <661>, ADC Free, BAM tested – gaseous & liquid

The GYLON 3522 STRESS SAVER® gaskets seal at the lower allowable torque common with flat face non-metallic flanges and are also able to handle the high stresses developed in metallic raised face flanges.

Bolt Torque Values for STRESS SAVER® gaskets in ASME B16.5 Class 150# FLAT FACE Flanges

Nominal Pipe Size (in)	No. of Bolts	Size of Bolts (inches)	Minimum Suggested Torque (ft.lbs.)	Preferred Torque Range[(1)] Minimum (ft.lbs.)	Maximum (ft.lbs.)
0.5	4	0.50	5	9	19
0.75	4	0.50	6	12	23
1	4	0.50	7	14	25
1.25	4	0.50	8	16	25
1.5	4	0.50	10	19	25
2	4	0.63	17	33	50
2.5	4	0.63	23	45	50
3	4	0.63	25	49	50
3.5	8	0.63	15	30	50
4	8	0.63	17	33	50
5	8	0.75	21	41	82
6	8	0.75	23	46	83
8	8	0.75	33	66	83

The above-mentioned torque values are based on a maximum bolt stress of 25,000 psi. Bolts with a minimum yield strength of 30,000 psi are acceptable.

[(1)] When installing STRESS SAVER® gaskets in non-metallic flanges or flanges with non-metallic liners (PTFE, PVDF, Rubber, etc.) consult the flange manufacturer to verify the torque values shown below are accept. To avoid flange damage never exceed the maximum allowable torque provided by the flange manufacturer.

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