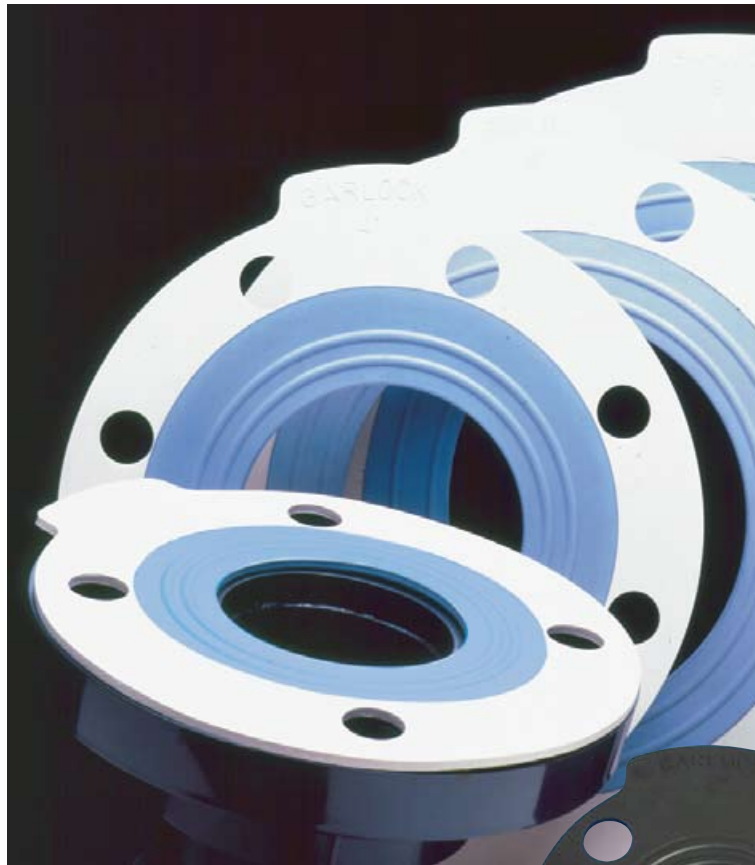


Advancing the Science of Sealing™

GARLOCK STRESS SAVER® GASKET

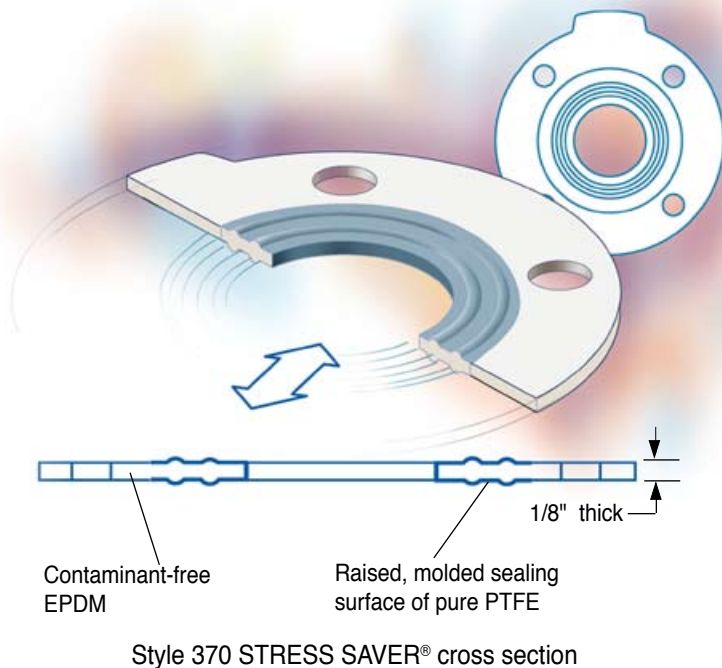
Superior low-torque gaskets for metallic or non-metallic flat-face flanges



Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company

Garlock Style 370 STRESS SAVER® Low-Torque Gaskets



NOTE: STRESS SAVER® gaskets are recommended for 150# flat face flanges; contact Applications Engineering if service involves raised face flanges.

Benefits

Tighter seal

- Raised, molded-in sealing rings seal with 75% less surface area for high performance in non-metallic flanges

Chemical resistance

- Pure PTFE sealing surface resists a variety of chemicals

High purity

- Contaminant-free EPDM is ideal for ultrapure services: electronics*, pharmaceutical and food industries
- Proprietary process bonds PTFE to elastomer, won't delaminate or leach
- Special packaging available for high-purity applications

Suggested Applications

Industries

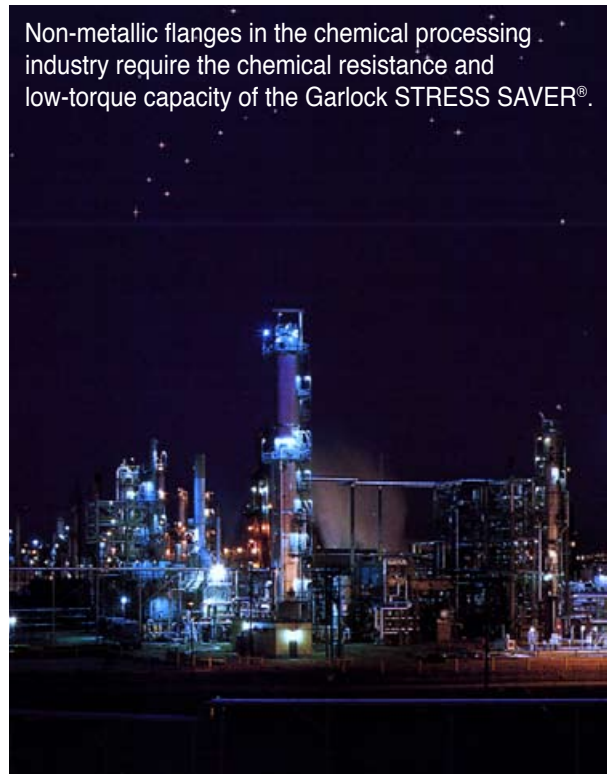
- Chemical processing
- Electronics, semi-conductor
- Food
- Pharmaceutical
- Pulp and paper



The Garlock Style 370 STRESS SAVER® gasket is ideal for high-purity applications, as in the electronics industry.

* Tested by BALAZS Labs for trace metal extractables, Anions, Cations and T.O.C.s. Results available on request.

Non-metallic flanges in the chemical processing industry require the chemical resistance and low-torque capacity of the Garlock STRESS SAVER®.



Garlock Style 370, 6800 and XP STRESS SAVERS®

XP STRESS SAVERS® Benefits

Outperforms PTFE envelope gaskets

- Requires lower seating stress to seal in flat face flanges

Outperforms standard fluoroelastomer

- More resistant to severe chemicals including HCl and chlorine
- Performs well in steam
- Exhibits improved heat resistance

Suggested Applications

Flange types

- PVC
- FRP
- PVDF
- CPVC
- Polypropylene
- Cast and ductile iron

Minimum recommended compressive stress is 600 psi; see BoltTorque table.



Bolt Torque Values

Nominal Pipe Size (inches)	Number of Bolts	Bolt Size (inches)	Minimum** Rec. Torque (ft lbs)	Maximum*** Rec. Torque (ft lbs)
1/2	4	1/2	10	18
3/4	4	1/2	15	25
1	4	1/2	15	30
1-1/4	4	1/2	20	35
1-1/2	4	1/2	20	35
2	4	5/8	35	65
2-1/2	4	5/8	45	90
3	4	5/8	50	95
3-1/2	8	5/8	30	60
4	8	5/8	35	65
5	8	3/4	40	85
6	8	3/4	45	95
8	8	3/4	65	135
10	12	7/8	65	130
12	12	7/8	95	185
14	12	1	135	270
16	16	1	120	240
18	16	1-1/8	135	265
20	20	1-1/8	125	250
24	20	1-1/4	175	350

** Style 6800 and STRESS SAVER® XP Gaskets will typically seal at 50% the recommended minimum torque value shown above — do not exceed torque values recommended by the flange manufacturer.

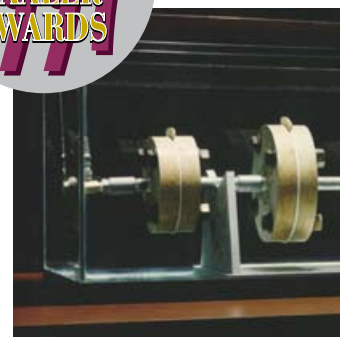
*** Do not exceed 125% of maximum torque values without contacting Garlock Applications Engineering.

NOTE: STRESS SAVER® Styles XP and 370 will handle 95% of flat face flange applications in chemical service, at considerably lower torque values than PTFE gaskets.

Typical Physical Properties

STRESS SAVER®		Standard Style 370	Optional Style 6800	Optional Style XP
Construction		100% pure PTFE bonded to EPDM	EPDM only (65 durometer)	Proprietary blend of fluoroelastomers (70 durometer)
Color		PTFE: Sky blue EPDM: Off-white	Off-white	Black
Media†		Acids, caustics, gases, water, hydrocarbons, deionized water	Water, very mild acids and caustics	Water, steam, most hydrocarbons, gases, solvents, acids, gasohol
Temperature		Minimum: -40°F (-40°C) Maximum: +300°F (+150°C)	-40°F (-40°C) +300°F (+150°C)	-15°F (-26°C) +400°F (+204°C)
Pressure, max.		psig: 250 (bar): (17)	250 (17)	250 (17)
P x T, max.		psig x °F: 50,000 (bar x °C): (1717)	50,000 (1717)	50,000 (1717)
M & Y		1/8"	2.0 / 400 psi	2.0 / 400 psi

† The suitability of a specific media should be verified with Garlock Applications Engineering.



2- and 3-inch Style 370 STRESS SAVER® gaskets in submerged FRP flanges show no visible leakage.

Ordering Information

Nominal Pipe Size (inches)	Gasket I.D. & O.D. (inches)	Style 370 PTFE / EPDM	Product Code	
			Style 6800 EPDM Only	Style XP
1/2	0.719 x 3.500	36010-0001	36680-0001	37809-0001
3/4	0.875 x 3.875	36010-0002	36680-0002	37809-0002
1	1.141 x 4.250	36010-0003	36680-0003	37809-0003
1-1/4	1.500 x 4.625	36010-0004	36680-0004	37809-0004
1-1/2	1.688 x 5.000	36010-0005	36680-0005	37809-0005
2	2.125 x 6.000	36010-0006	36680-0006	37809-0006
2-1/2	2.719 x 7.000	36010-0007	36680-0007	37809-0007
3	3.156 x 7.500	36010-0008	36680-0008	37809-0008
3-1/2	3.500 x 8.500	37010-7195	37680-7195	37809-7195
4	4.000 x 9.000	37010-7104	37680-7104	37809-7104
5	5.000 x 10.000	37010-7105	37680-7105	37809-7105
6	6.000 x 11.000	37010-7106	37680-7106	37809-7106
8	8.000 x 13.500	37010-7108	37680-7108	37809-7108
10	10.000 x 16.000	37010-7110	37680-7110	37809-7110
12	12.000 x 19.000	37010-7112	37680-7112	37809-7112
14	14.000 x 21.000	37010-7114	37680-7114	37809-7114
16	16.000 x 23.500	37010-7116	37680-7116	37809-7116
18	18.000 x 25.000	37010-7118	37680-7118	37809-7118
20	20.000 x 27.500	37010-7120	37680-7120	37809-7120
24	24.000 x 32.000	37010-7124	37680-7124	37809-7124

DIN Pipe Size	Gasket I.D. & O.D. (mm)	Style 370 PTFE / EPDM	Product Code	
			Style 6800 EPDM Only	Style XP
15	18.0 x 93.0	36010-9000	36680-9000	37809-9000
20	22.1 x 103.0	36010-9001	36680-9001	37809-9001
25	29.0 x 113.0	36010-9002	36680-9002	37809-9002
32	38.1 x 137.0	36010-9003	36680-9003	37809-9003
40	42.9 x 148.0	36010-9004	36680-9004	37809-9004
50	54.1 x 163.0	36010-9005	36680-9005	37809-9005
65	69.0 x 183.0	36010-9006	36680-9006	37809-9006
80	80.0 x 198.0	36010-9007	36680-9007	37809-9007
100	101.6 x 218.0	36010-9008	36680-9008	37809-9008
125	127.0 x 248.0	36010-9009	36680-9009	37809-9009
150	152.4 x 283.0	36010-9010	36680-9010	37809-9010
200	203.2 x 338.0	36010-9011	36680-9011	37809-9011
250	254.0 x 393.0	36010-9012	36680-9012	37809-9012
300	304.8 x 443.0	36010-9013	36680-9013	37809-9013

AUTHORIZED REPRESENTATIVE

WARNING:

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.

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São Paulo, Brazil	Phone 55.11.4352.6161	Fax 55.11.4352.8181
Sherbrooke, Canada	Phone 1.819.563.8080	Fax 1.819.563.5620
W. Yorkshire, England	Phone 44.1422.313600	Fax 44.1422.313601
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