

STRESS SAVER[®]

Low-Torque Gaskets



STRESS SAVER®: Style 370, Style 6800, Style XP and Style 3504

STRESS SAVER® Style 370

White EPDM elastomer molded with virgin PTFE envelope. Proprietary process bonds the PTFE to the elastomer without the use of adhesives, eliminating envelope fold-over concerns during installation.

- » Raised, molded-in sealing rings seal with 75% less surface area for high performance in nonmetallic flanges
- » Proprietary process bonds PTFE to elastomer, won't delaminate or leach



STRESS SAVER® STYLE 370

STRESS SAVER® Style 6800

Made with 100% white EPDM elastomer. Suitable for less critical application where a tight seal is needed. Recommended for use in flat face flanges only.

- » Raised, molded-in sealing rings seal with 75% less surface area for high performance in nonmetallic flanges
- » More economical gasket where a PTFE envelope is not required



STRESS SAVER® STYLE 6800

STRESS SAVER® Style XP

Single piece molded design made from high performance, proprietary blend of fluoroelastomers. Suitable for use in potable water, steam and most chemicals.

- » Lower seating stress than expanded or specialty PTFE gaskets; ideal for nonmetallic flanges
- » Won't fail due to filler attack
- » Eliminates envelope fold-over during installation



STRESS SAVER® STYLE XP

STRESS SAVER® GYLON® Style 3504

Single piece design made from GYLON® Style 3504. Suitable for both metallic and non-metallic piping with either flat or raised face flanges.

- » Chemical resistance – GYLON® 3504 is ideal for a wide range of caustics and acids, helping to simplify the selection process
- » Superior Physical Properties – Higher temperature and pressure capabilities as compared to rubber gaskets
- » Homogeneous Construction – Single piece design helps avoid permeation, delamination, fold-over of PTFE envelopes, or potential splitting when installed against raised face flanges
- » High purity FDA, USP Class VI and KTW
- » EC 1935/2004 & EC 10/2011



STRESS SAVER® GYLON® STYLE 3504

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Technical Information

TYPICAL PHYSICAL PROPERTIES

STRESS SAVER®	Style 370	Style 6800	Style XP	Style 3504
Construction	100% Pure PTFE bonded to EPDM	EPDM only	Proprietary blend of fluoro-elastomers	100% GYLON® PTFE with aluminosilicate microspheres
Color	PTFE: Sky blue, EPDM: Off-white	EPDM: Off-white	Black	Blue
Temperature Maximum Minimum	+300°F (+150°C) -40°F (-40°C)	+300°F (+150°C) -40°F (-40°C)	+400°F (+204°C) -15°F (-26°C)	+500°F (+260°C) -450°F (-268°C)
Pressure¹ max. psi bar	250 17	250 17	250 17	800 55
P x T^{1,2} max. psig x °F bar x °C	50.000 1.717	50.000 1.717	50.000 1.717	250.000 8.600
Media	Acids, caustics, gases, water, hydrocarbons	Water, very mild acids and caustics	Potable water, steam, most hydrocarbons, gases, solvents, acids and alcohol	All solvents, most caustics and acids, hydrocarbons, refrigerants, cryogenics and potable water
Durometer +/- 5 „m“/“y“ factor (psi)	65 Shore A (EPDM) 2,0/400	65 Shore A 0,5/100	70 Shore A 2,0/200	59 Shore D 2,0/400

¹ Max pressure is dependent on available compressive stress and is not achievable in all flange types.

² When approaching maximum pressure or temperature, or 50% of maximum P x T, consult Garlock Engineering.

IDEAL FOR

INDUSTRIES

- » Potable/Drinking water
- » Chemical Processing
- » Pharmaceutical
- » Pulp and Paper
- » Food

FLANGE TYPES

- » Cast and ductile iron
- » Kremo flanges
- » PP/PE
- » PVDF
- » CPVC
- » FRP
- » PVC



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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