Garlock GYLON® Style 3505 Gasketing

Style 3505 is the Oxygen service version of our famous Style 3504 Blue GYLON®, and newly certified to comply with NSF-61. GYLON 3505 is made using glass microsphere filled PTFE and is compressible enough to fill in voids and seal imperfect flanges. This material is designed for use in metallic raised face flanges and most metallic flat face flanges. It can also be cut or welded into any shape. GYLON® Style 3505 is also FDA compliant.

Garlock NSF 61 Approved Gasket Materials for Potable (Drinking) Water Systems

NSF 61 ensures that drinking water is clean and safe, and covers almost any type of component used in municipal water systems. In the past, Garlock would receive inquiries about gaskets that meet this standard, but in the very recent past this standard has become a REQUIREMENT.

When a gasket is submitted for testing, the formulation is reviewed for prohibited substances, and then tested for contaminants that would leach out of the gasket into your drinking water.

Garlock proudly offers three different gasketing products that are NSF/ANSI 61 approved: GYLON® 3505, STRESS SAVER® XP, and Style 98206.

Value & Benefits

Tighter seal

- Improved performance over conventional PTFE
- Reduced product loss and emissions

Reduced creep relaxation

- Unique manufacturing process minimizes cold flow problems typical of skived and expanded PTFE sheets
- Excellent bolt torque retention

Chemical resistance

- Withstands a wide range of chemicals for extended service life in a wide variety of applications

Cost savings

- Cuts operational costs through reduced:
  - Fluid loss
  - Energy consumption
  - Maintenance costs
  - Inventory costs
  - Waste

Largest sheet sizes*

- Offers some of the largest sheet sizes in the industry
- Improved material utilization reduces waste

* 60" x 60" (1524 mm x 1524 mm), 70" x 70" (1778 mm x 1778 mm), 60" x 90" (1524 mm x 2286 mm)

Garlock
SEALING TECHNOLOGIES®

an EnPro Industries company

Specifications

Color	Blue GYLON®
Composition	PTFE with glass microspheres
Temperature[1]	Min -450ºF (-268°C) Cont. Max. +500ºF (+260°C)
PxT (max)[1]	350,000 (12,000) 1/16" and 1/32" 250,000 (8,600) 1/8"
Pressure[1]	800 psi (55 Bar)
Sealability **ASTM Fuel A** ml/hr (ASTM F37B)[2]	0.12
Gas Permeability cc/min. (DIN 3535 Part 4)[3]	<0.015
Creep Relaxation % (ASTM F38)	40
Compressibility Range (ASTM F38) %	25-45
Recovery (ASTM F36) %	>30
Tensile Strength psi (ASTM D1708) (N/mm^2)	>30
Flammability	Will not support flame
Bacterial Growth	Will not support

Notes:

1 Based on ANSI RF flanges at our preferred torque. When approaching maximum pressure, temperature or 50% of maximum PxT, consult Garlock Engineering.

2 ASTM F37B Sealability, milliliters/hour (1/32" thick)
ASTM Fuel A (isooctane):
Gasket load = 1,000 psi (7 N/mm^2),
Internal pressure = 9.8 psig (0.7 bar)

3 DIN 3535 Part 4 Gas Permeability, cc/min. (1/16" thick)
Nitrogen: Internal pressure = 580 psig (40 bar),
Gasket load = 4,640 psi (32 N/mm^2)

Thermally Bonded GYLON®

Benefits

Effective seal

- Patented bonding process to produce large gaskets without dovetailed joints insuring a quality seal
- GYLON® material provides the excellent chemical resistance of PTFE without creep relaxation and cold flow problems

Versatile

- Ideal for corrosive applications with extra-large flanges
- Styles 3500, 3502, 3503, 3504, 3505, 3510, HP 3560, HP 3561, 3565, and 3594 can all be welded using this process

For more information on NSF-61 visit:
http://www.nsf.org/Certified/PwsComponents/Listings.asp?Company=4J410&Standard=061

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CLEAN AIR Excellence Awards

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.

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.

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SEALING TECHNOLOGIES®

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Garlock Sealing Technologies
1666 Division Street
Palmyra, New York 14522 USA
1-315-597-4811
1-800-448-6688
Fax: 1-800-543-0598
1-315-597-3039

www.garlock.com

Other Garlock facilities are located in:

Columbia, SC, USA	Phone 1.803.783.1880	Fax 1.803.783.4279
Paragould, AR, USA	Phone 1.870.239.4051	Fax 1.870.239.4054
Houston, TX, USA	Phone 1.315.597.4811	Fax 1.315.597.3216
Denver, CO, USA	Phone 1.303.988.1242	Fax 1.303.988.1922
Sydney, Australia	Phone 61.2.9793.2511	Fax 61.2.9793.2544
Auckland, New Zealand	Phone 64.9573.5651	Fax 64.9573.5636
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
Saint-Étienne, France	Phone 33.4.7743.5100	Fax 33.4.7743.5151
Neuss, Germany	Phone 49.2131.3490	Fax 49.2131.349.222
Mexico City, Mexico	Phone 52.55.5078.4600	Fax 52.55.5368.0418
Singapore	Phone 65.6285.9322	Fax 65.6284.5843
Shanghai, China	Phone 86.021.64544412	Fax 86.021.34080906
Dubai, UAE	Phone 971.4.8833652	Fax 971.4.8833682
Pune, India	Phone 91.20.3061.6608	Fax: 91.20.3061.6699