

Garlock

Garlock NSF/ANSI 61

Certified Materials & Products for Potable (Drinking) Water Systems



Leaders in Sealing Integrity

Garlock NSF/ANSI 61

Certified for Potable (Drinking) Water Systems

NSF standards ensure that drinking water is clean, safe and cover almost all components used in municipal water systems. In the past, Garlock has received numerous inquiries about materials and products that are NSF/ANSI 61 Certified, but recently this certification has become a requirement for many customers.

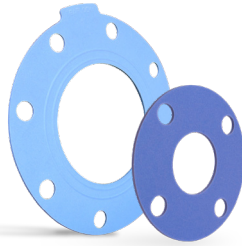
When a material is submitted for testing, the formulation is reviewed for prohibited substances, and then tested for contaminants that could leach out of the gasket into your drinking water.

Garlock proudly offers multiple products that are NSF/ANSI 61 certified.

GYLON® STYLE 3505/STRESS SAVER® 3505

Style 3505 is the oxygen service version of our famous 3504 BLUE GYLON® and is tested and certified to NSF/ANSI 61. GYLON® Style 3505 is a high performance restructured PTFE material with glass microsphere filler, which provides the necessary compression to conform to and seal less than perfect flanges. This material is designed for use in raised face and most metallic flat face flanges. Available in sheet, cut gaskets, or as a STRESS SAVER® 3505.

The excellent dielectric resistance of this material makes it perfect for pipelines requiring cathodic protection. It can be cut or welded into any flange shape using our patented Thermal Bonding process, eliminating the need for dovetails on large gaskets. All thermally bonded gaskets will be stamped GARLOCK to ensure that you receive genuine Garlock product.



SPECIFICATIONS

Color	Blue GYLON®
Composition	PTFE with glass microspheres
Temperature¹	Min -450°F (-260° C) Cont. Max. +500°F (+260°C)
PxT (max)¹ (psig x °F)(bar x °C)	350,000 (12,000) 1/16" and 1/32" 250,000 (8,600) 1/8"
Pressure¹	800 psig (55 bar)

MULTI-SWELL™ STYLE 3760-U

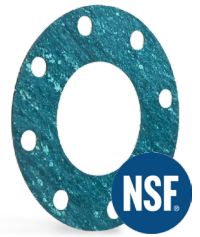
Aramid fiber gasket with a proprietary rubber binder designed to swell upon contact with water to create a seal; used in both raised and flat face flanges. Problems with low load applications and leakage are a thing of the past.

Did you know that over 70% of gasket failures are due to lack of load? MULTI-SWELL™ can replace vegetable fiber gaskets in many applications – it won't weep, improving plant safety. It also performs well in higher load flanges where elastomeric or rubber gaskets may otherwise be crushed.

*NSF/ANSI 61 certified for use in the following:

» 1" through 144" flange/pipe sizes up to 1/8" thickness

NOTE: Please request 3760-U, the unbranded version of 3760.



SPECIFICATIONS

Composition	Synthetic fiber sheet with a proprietary rubber binder
Temperature	Min -40°F (-40° C) Cont. oper. +400°F (+205°C)
PxT (max) (psig x °F)(bar x °C)	150,000 (5,1000) 1/16" and 1/32" 100,000 (3,400) 1/8"
Pressure¹	500 psig (35 bar)

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

STRESS SAVER® XP

The XP is a molded fluoroelastomer designed to form a tight, long lasting seal with the low gasket stresses typically associated with non-metallic piping systems, and is available in standard 150# class configuration. This gasket incorporates raised ribs that concentrate the loading force and enable a seal with less torque than expanded PTFE gaskets; a key benefit given the torque limitations on PVC, CPVC, FRP, and other non-metallic flanges.

Unlike other elastomeric gaskets, the STRESS SAVER® XP is free of the plasticizing oils that can degrade non-metallic piping systems, such as PVC, and CPVC. For this reason, the gasket is suitable for use with FlowGuard Gold®, Corzan® CPVC and BlazeMaster® pipe and fittings, and carries the Lubrizol FBC™ System Compatible certification.



SPECIFICATIONS

Color	Black
Composition	Proprietary blend of fluoroelastomers (70 durometer)
Temperature	Min -15°F (-26° C) Max. +400°F (+240°C)
PxT max (psig x °F) (bar x °C)	50,000 (1717)
Pressure	250 psig (17 bar)

GARLOCK STYLE 98206

Style 98206 EPDM sheet gasket material has improved crush resistance; a clear advantage over other elastomeric gasket materials. It is also available in roll form and it can be easily cut to fit any size flange.

Additionally, Garlock 98206 seals with lower loads than those typically associated with compressed non-asbestos gasket material. This creates savings by enabling the use of lower yield, less expensive bolts.

Style 98206 EPDM is also available in custom molded products used within the water infrastructure; products such as gate valves, butterfly valves, and pipe gaskets.



SPECIFICATIONS

Color	Black
Composition	EPDM with Sulfur Cure (85 durometer)
Temperature	Min -40°F (-40° C) Max. +275°F (+135°C)
PxT max (psig x °F) (bar x °C)	30,000 (900)
Pressure	250 psig (17 bar)

GYLON® STYLE 3522

Exclusive to Garlock, this time proven product is made using a proprietary process which optimizes quality and uniformity. Using the best available technology GYLON® PTFE diaphragms offer the longest cycle life in the industry, and continue to outperform all competitive materials.



SPECIFICATIONS

Color	Clear, translucent
Composition	PTFE
Temperature (Cont. Max.)	+500°F (+260°C)
Pressure	800 psig (55 bar)

GARLOCK STYLE 97815

In addition to being NSF 61 certified, this unique blue material is also FDA compliant allowing you to consolidate your inventory and eliminate product selection mistakes by using one EPDM sheet that can do it all! This high performance 70 durometer compound is an excellent choice for many of your drinking water, food and beverage applications. Made from 100% EPDM, you can rest easy knowing that this material won't degrade overtime or have a premature service life like typical inexpensive rubber blends.



SPECIFICATIONS

Color	Blue
Composition	EPDM (70 Durometer)
Temperature	Min -40°F (-40° C) Max. +275°F (+135°C)
PxT max (psig x °F) (bar x °C)	30,000 (900)
Pressure	250 psig (17 bar)

NSF 61: Certified Gasket Materials

SURE-TEC™

The SURE-TEC™ tube material offers the industry's safest premium grade blue EPDM rubber available in many different expansion joint styles. This dual certified NSF 61 and FDA material provides exceptional resistance to water absorption and unrivaled performance in abrasive and alkaline applications. The light blue rubber reduces contamination when used with Vision System Detection. Available in a wide range of sizes for standard and non-standard raised and flat face flanges, this expansion joint is in a class of it's own!



SPECIFICATIONS

Color	Blue inner tube
Composition	EPDM
Temperature	Min -40°F (-40° C) Max. +250°F (+120°C)

LINK-SEAL®

The Model "S61" is made from Black NSF 61 certified EPDM materials, with Blue reinforced Nylon Polymer Pressure plates and 316 Stainless Steel hardware. Each shipment is packaged with a defining "NSF 61" label and batch number for traceability.



SPECIFICATIONS

Color	Black
Composition	
Seal Element	EPDM
Pressure Plates	Blue Reinforced Nylon Polymer
Bolts & Nuts	316 Stainless Steel
Temperature	
(Cont. Max.)	-40°F to 250°F (-40°C to 121°C)

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