

## Sealing Integrity for the Food and Beverage Industry



Leaders in Sealing Integrity

**Garlock**<sup>®</sup>  
an EnPro Industries family of companies





# Meeting and exceeding your most rigorous sealing requirements.

We manufacture sealing solutions with the specific needs of the food and beverage markets at the forefront. Our food-grade products are built with high-quality, safe materials that are designed to minimize process leakage, protecting products while they're being made, and also reducing costly repairs and downtime. Featuring exceptional wear resistance, our food-grade gasket and sealing products also withstand extreme temperatures, aggressive materials and vigorous sterilization methods. Our vast product line has the entire packaging process covered, from beverage and food pumps to brewing and bottling pipes and fillers.

# A culture of safety.

Garlock is acknowledged as the global leader in high-performance fluid sealing products, committed to a culture of safety - making the world safer, sustainable and more reliable.

Our commitment to safety stems from our workplace culture and dedication to sealing integrity. We embrace safety not only for our employees, but for all of our customers as well. Our sealing products and solutions are tested to meet or exceed industry and regulatory agency standards. And that's a standard that defines who we are, and what Garlock stands for.



# Sealing products for the food and beverage industry.

Sealing solutions engineered to adhere to the rigorous cleanliness and traceability standards within the industry. Remarkably long service life and performance guarantees the integrity and reproducibility of the product.



# Sanitary Gaskets

GYLON BIO-LINE® PTFE seals offer an alternative to traditional elastomer materials and better withstand the harsh conditions found in many food and beverage applications. GYLON BIO-LINE® seals also resist intrusion, which can lead to material contamination and flow irregularities.



## GYLON BIO-PRO®

GYLON BIO-PRO® gaskets are pre-formed to fit tri-clamp type joints precisely and ensure a smooth 'no trap' internal surface. Dimensionally stable over a wide range of process temperatures, GYLON BIO-PRO® gaskets do not creep or relax and lose their high-integrity seal. Meets EN 1935/2004, USP Class VI, FDA compliant and KTW approved. Seal dimensions in accordance with DIN 32676, DIN 1850, ISO1127, ASME BPE – 2009, ISO 2852, SMS 3019.



## GYLON BIO-ASEPT®

For aseptic flange connections in accordance with DIN 11853 and DIN 11864 (Form A), GYLON BIO-ASEPT® seals offer high stability and a specific elasticity. Our seals are pre-formed and stress controlled for solid sealing in piping systems. High performance PTFE sealing materials prevent chemical degradation or brittleness, even under ever-increasing process and sterilization demands.



## GYLON BIO-ECO®

The necessity for adequate sealing stress and simultaneous recovery makes GYLON BIO-ECO® the ideal solution for couplings in accordance with DIN 11851 and SMS 1149. All of the disadvantages associated with standard elastomeric seals regarding temperature, chemical resistance and re-usability are eliminated by the modified PTFE material. GYLON BIO-ECO® seals are available in all dimensions without inner collar (M1) or with inner collar (M2).



## GYLON®

GYLON® gaskets deliver improved performance over conventional PTFE. GYLON® advantages include reduced creep relaxation and the ability to withstand a wide range of chemicals for extended service life in a wide range of applications.



## GYLON® Style 3504 STRESS SAVER®

Since 1996, the Garlock family of companies has successfully sealed low load flanges with our STRESS SAVER® family of products. The molded raised ribs help to create a tighter seal by concentrating the compressive load, making STRESS SAVER® ideal for light-weight piping. Our new Style 3504 GYLON® STRESS SAVER® combines these proven sealing advantages with the performance characteristics of the industry recognized GYLON® 3504.



## STRESS SAVER® XP

A single piece molded design made from a high performance proprietary blend of fluoroelastomers, STRESS SAVER® XP is suitable for use in potable water, steam and most chemical applications and is FDA compliant. This formulation outperforms traditional fluoroelastomers in severe chemical and steam applications that require improved heat resistance.

# Dynamic Seals

Garlock's dynamic seals are engineered to meet the demanding temperature and chemical requirements of challenging and specialized pharmaceutical applications, including bioreactors, centrifuges and fill and finish operations.



## GAR-SPRING

GAR-SPRING products are suitable for a wide variety of uses including Rotary and Static applications. GAR-SPRING is primarily PTFE, energized by either springs or elastomer material. GAR-SPRING is designed to withstand temperature extremes ranging from cryogenic temperatures up to 340 °C.



## PS-SEAL®

High performance PS-SEAL® products operate with a sealing lip of modified PTFE, making them highly elastic and flexible with a very low coefficient of friction. They suffer little wear and require no metallic spring element. PS-SEAL® is specially designed for reliably sealing rotating shafts with high peripheral speeds, high pressure, temperature fluctuations and aggressive media.



## PS-ProSet® Cartridge

With PS-ProSet® Garlock offers a sealing unit that serves as the perfect solution for individual cases of applications. Possible application fields for this construction can be mixers, machinery or machine parts where quick service and safety count the most.

# Butterfly Valves & Diaphragms



## GAR-SEAL

GAR-SEAL valves are used for accurate control, throttling and shut-off duties where corrosive, abrasive and toxic media must be reliably controlled. GAR-SEAL butterfly valves offer reduced maintenance requirements and increased operational reliability over competitive products.



## STERILE-SEAL

STERILE-SEAL valves are used in the pharmaceutical and bio-pharmaceutical industries to maintain a sterile environment without the need for unnecessary and costly overhauls and replacements. The special characteristic of this valve is its external sterilization capability. The design allows the critical "dead" areas of the valve, along with the disc, body liner and seals, to be steam sterilized without the risk of contaminating the material being processed.



## GYLON® ONE-UP®

Made using our exclusive GYLON® PTFE Diaphragm material and a proprietary EPDM rubber backing, this product is made with the same patented rib construction of our standard industrial ONE-UP® and is in compliance with FDA regulations.



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