

Family of DETECTOMER® Products

Garlock Expansion Joints



PARTNERING FOR SUCCESS

At Garlock, our shared commitment with customers to provide safe products for use in food applications starts by mixing FDA compliant elastomers in-house. This allows for full control over the use of correct ingredients. Batch traceability is available and food safety is ensured with Current Good Manufacturing Practices. Compliance test reports and statements are available on www.garlock.com.

DID YOU KNOW?

Product recalls for food and beverage customers are costly events. It is estimated to have an average cost of \$10M USD before considering the harm to the brand reputation. Foreign material contamination is one of the top 3 causes of product recalls. This includes a variety of materials, including rubber contaminants from failed products. Metal and X-Ray detectable rubber gaskets have become prevalent and adopted by companies looking to reduce risk. Rubber expansion joints have over 50x the exposed surface area to a typical gasket, but are traditionally supplied in white FDA compliant liner materials which are virtually impossible to detect upon failure in many foods.

THE GARLOCK DIFFERENCE

REMOVE

Remove potential sources of contamination and product loss with adopting high quality premium grade elastomers.

IMPROVE

Improve detectability of foreign materials introduced by inadvertent damage and reduce the chance of a product recall.

Only Garlock offers DETECTOMER®, a metal and x-ray detectable tube material for rubber expansion joints.

DETECTOMER® FDA NITRILE (BLUE)

FDA compliant Nitrile elastomer, tested and validated by third party laboratories. Compatible for most animal fat and vegetable oil food products with good resistance to abrasion and water absorption. The blue color allows for additional contamination detection with vision systems.

FDA Compliant - FDA 21CFR177.2600

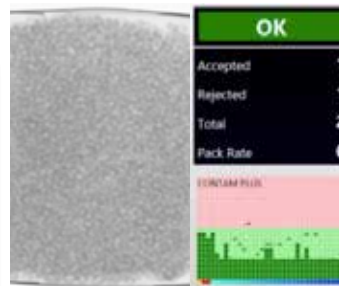
Temperature Range: -30°F (-34°C) to 250°F (120°C)

VALIDATION

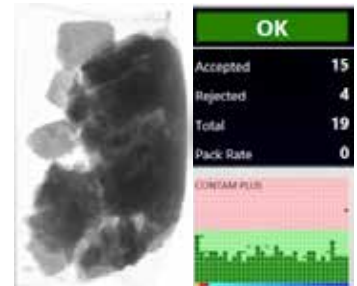
DETECTOMER FDA Nitrile has been tested and validated by third parties using X-ray and Metal Detection equipment commonly used in food manufacturing. Tested in multiple food types, it has been found to be detectable in samples as small as 2mm².

Without DETECTOMER® – Rubber contamination will not be identified

CEREAL

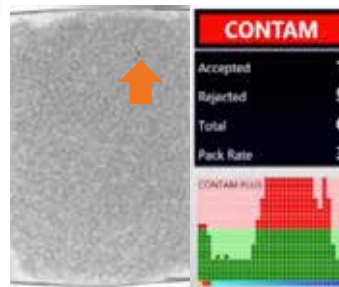


CHICKEN

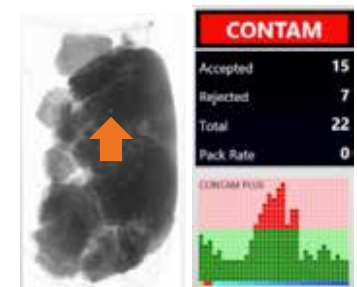


With DETECTOMER® – Rubber contamination was found and isolated

CEREAL



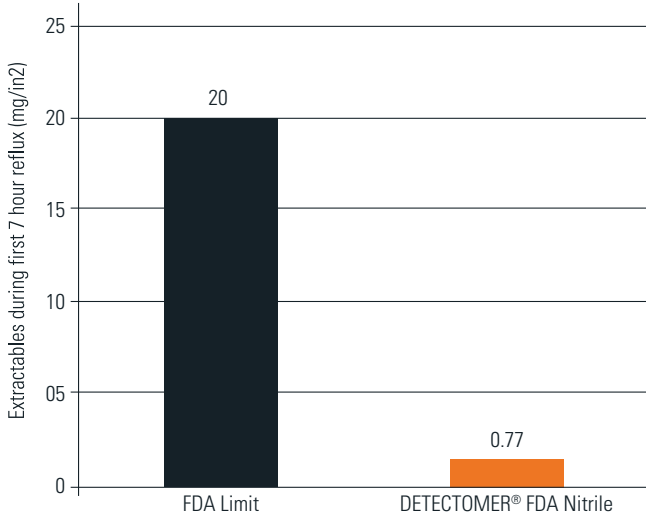
CHICKEN



DETECTOMER® FDA NITRILE

Our proprietary material complies with both the compositional and extraction requirements set forth in 21 CFR 177.2600 relative to the use of Rubber Articles intended for repeated use with dry, aqueous and fatty foods.

DEIONIZED WATER EXTRACTABLES PER FDA CFR-2100-177.2600



Available Styles

STYLE 204 NARROW ARCH

Ideal for full vacuum applications on the inlet/suction side of a pump and all horizontal piping installations. Recommended to be supplied with a filled arch to reduce trapped media and support arch compatible Clean-in-Place (CIP).



STYLE 206 EZ-FLO®

Ideal for vertical piping installations on the outlet/discharge side of a pump. The EZ-FLO® wide flowing arch will self-drain, eliminating the need for filled arches.



STYLE 7250 FLEXOMATIC®

Ideal pump or pipe connector to reduce noise and vibration or accommodate misalignment. Arch less design does not trap solids and can be used in full vacuum applications.



STYLE 9394

Ideal for low pressure applications that require a high level of flexibility and movement often found in the connections of hoppers, silos, shaker tables, vibratory conveyors, and bowl feeders.



STYLE 8400

Ideal for low pressure applications with minimal movement. Basic connector to keep outside contaminants from entering process while reducing product loss and dust in dry applications.



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GARLOCK

an *EnPro* Industries family of companies

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