

# Case Study: GYLON® 3504 TUFF-RAIL® Chemical Processing



## INDUSTRY

Chemical Processing

## CUSTOMER

Large Chemical Company

## BACKGROUND

While Garlock has worked with this customer on standard flange connections and other sealing requirements in the past, collaboration on the rail car fleet has not been a typical focus. Being that this customer has a rail car fleet of over 6000 cars, there was joint interest to see if Garlock sealing solutions could be implemented in other areas of the business for value-add performance.

## CHALLENGES FACED

With other incumbent glass filled gasket options already specified on the targeted manway applications, it was imperative that a Garlock sealing solution could offer both performance benefits and the opportunity for significant cost savings. While months of field trial documentation was necessary, real life installation and application feedback was critical to justify a change.

## OPERATING CONDITIONS

Size: 19.5" x 21.5" OD

Temperature: Ambient

Application: Hinged and Bolted Manway Assembly

Media: Ethylene

Pressure: 15 psi

## SOLUTION AND BENEFITS

After extensive customer driven and approved field trials were completed, GYLON® 3504 TUFF-RAIL® proved to be an incredibly reliable sealing solution and a viable, cost effective replacement option. GYLON® 3504 TUFF-RAIL® demonstrated an exceptional ability to seal with ease, and was successfully reused numerous times. Combine the value of universal sizing to reduce inventory requirements and exponentially greater ability to be reused as compared to competitive sealing options, GYLON® 3504 TUFF-RAIL® clearly demonstrated opportunities for significant cost savings. GYLON® 3504 TUFF-RAIL® was formally added to the customers Rail Acceptable Equipment Specification (RAES).

For more information, please visit:

<http://www.garlock.com>

### GARLOCK

an EnPro Industries family of companies

Tel: 1-877-GARLOCK / 315.597.4811

Fax: 800.543.0598 / 315.597.3216

[www.garlock.com](http://www.garlock.com)

Garlock

GPT

Garlock Australia

Garlock de Canada, LTD

Garlock China

Garlock Singapore

Garlock Germany

Garlock India Private Limited

Garlock de Mexico, S.A. De C.V.

Garlock New Zealand

Garlock Great Britain Limited

Garlock Middle East