

TEADIT RC510 Case History

INDUSTRIAL SEGMENT

Chemical Processing

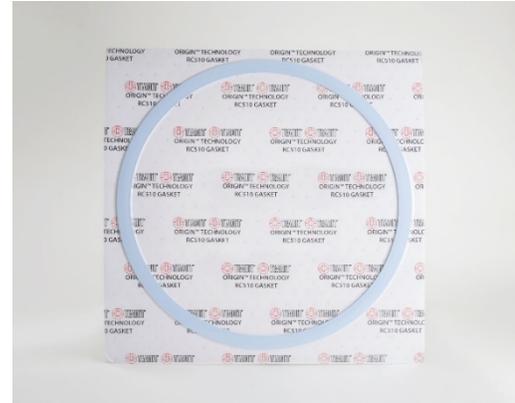
APPLICATION

Fluid(s)

Caustic, PVC Resin, EDC, VCM

Equipment

Rail Car Tank Manway



SCENARIO

A major chemical plant was looking for a more durable gasket for their rail car manways. Their current gasket choice was not holding up as expected, which was in turn leading to leakage issues, NAR's (non-accidental releases), and the incurrence of hefty fines. They needed a gasket that would offer the reliability they desired, without sacrificing the ease of installation the mechanics enjoyed.

SOLUTION

The customer consulted with Teadit in hopes of finding a product that would check all their boxes (chemical resistance, durability and reusability, reliability, and ease of installation). Teadit suggested their Origin™ RC510. This exclusive product is manufactured from high-performance Tealon restructured PTFE and our Origin™ technology. Developed specifically with the inherent challenges of rail car service in mind, this product has proven to be successful in aggressive chemical services, while also achieving high compressibility to seal at low load.

CUSTOMER GAINS

Testing of the proposed RC510 was successful and the customer began switching over their rail car manway gaskets. They reported that the recurrent leakage issues were 100% eliminated. Not only were they able to decrease all NAR's (and the related fines) to almost zero for their fleet, but they also documented savings in relation to maintenance costs and any costs that were associated with the replacement of damaged gaskets.