



NoRetorque™



Engineered Fluid Sealing Solutions
for Tank Car Connections



Tank Car NoReto

General Purpose & Pressure Car Flanged Connections



LoadLock®

Engineered perforated 316 stainless steel insert embedded within the expanded PTFE matrix. Dramatically improves mechanical stability, and blowout resistance, while reducing gasket creep better than conventional ePTFE.



Bottom Outlet Valve

PITA™

Live-loaded spring insert delivers high gasket recovery, unmatched thermal cycling performance and exceptional operational Tightness



torque™ Program

Manway



CycleTight®

Specifically engineered for general purpose Tank Car manways. The proprietary, patented gasket design incorporates a 316 stainless steel corrugated insert encapsulated within a highly compressible expanded PTFE gasket.

Valve Connections



Spiral Wound

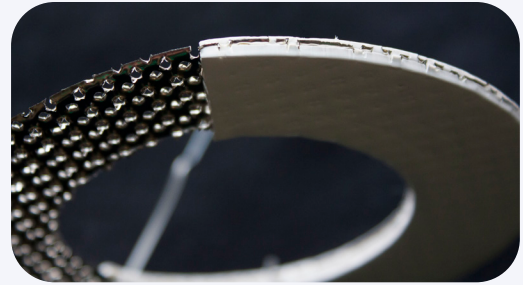
Comprised of 316 stainless steel and ePTFE providing broad chemical resistance and excellent mechanical integrity.



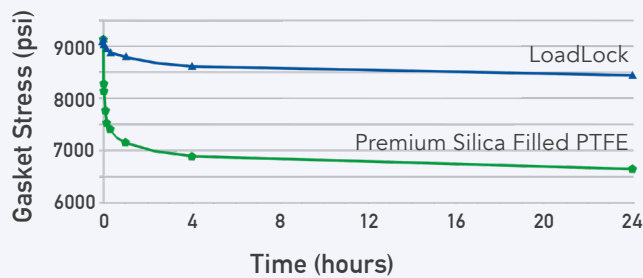
ENGINEERED PRODUCTS

LoadLock®**Enhanced Mechanical Integrity in an ePTFE Gasket**

LoadLock combines the strength and blow-out resistance of metallic gaskets with the compressibility and tightness of expanded PTFE gaskets without the use of adhesives.

**Relaxation Test**

Ambient Temp, NPS 3 Class 150 Ring, 37,000 lbs load

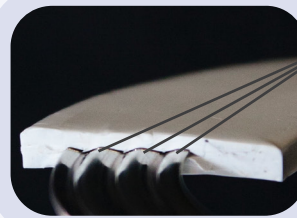
**Minimal Stress Relaxation**

► NoRetorque™ required

CycleTight® and PITA®**Expanded PTFE/Encapsulated Insert**

Combines expanded PTFE for low stress to seal with a 316 stainless steel core resulting in 5X the gasket recovery of other ePTFE/PTFE gaskets.

- ePTFE seals against rough flanges
- Zero process contamination
- Lower relaxation and high recovery
- Torque holding material



Point Contact Loading

Corrugated peaks define contact points resulting in lower Stress to Seal than conventional Virgin, Filled PTFE and ePTFE gaskets.

**Lowest Cost Per Use**

- Open dome loading/unloading, <\$10 per trip
- Closed dome loading/unloading, <\$5 per trip

8140 Quality Drive, Prince George, VA 23875
800-334-6013 • vsptechnologies.com