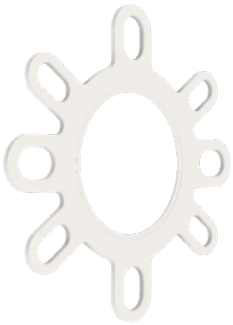
ENCASE™
ePTFE Envelope Gasket

The ENCASE™ envelope gasket is made of 100% ePTFE and outlasts and out performs any other envelope gasket on the market. The unique DNA and OPRA™ design allows each gasket to fit multiple bolt/flange configurations and is available in six standard sizes that accommodate all non-manway tank connections.

When combined with VSP's OPRA™ reduced area technology, the custom molded ENCASE gasket exceeds industry standards to deliver higher joint tightness with extremely low creep.

ENCASE™

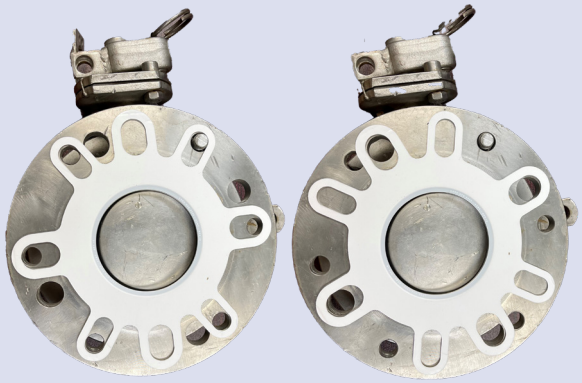


Made with GORE® Universal Pipe Gasket

A More Reliable, Improved Envelope Gasket for Tank Container Service

- No fiber filler material
- 100% non-absorbent and no wicking of water or media fluid
- Extensive torque holding properties
- Seals against corroded and pitted flange surfaces
- Superior sealing with minimal torque loss
- Low stress-to-seal reliability
- Long-term mechanical stability
- Quick/easy installation eliminates labor costs between loads
- DNA design fits both ASME & DIN flanges

Product Specifications	
Temperature Range	Max= 600°F Min= -330°F
Pressure Resistance	Full vacuum to maximum flange rating
Chemical Resistance	All chemical services (pH 0-14)
ASME Gasket Factors	m=2.5 y=1,200 psi



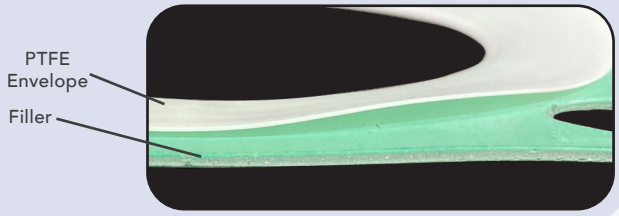
6-bolts 4-bolts

VSP Technologies deploys a team of Engineers and Fluid Sealing Specialists who provide engineered solutions for your unique sealing requirements.

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

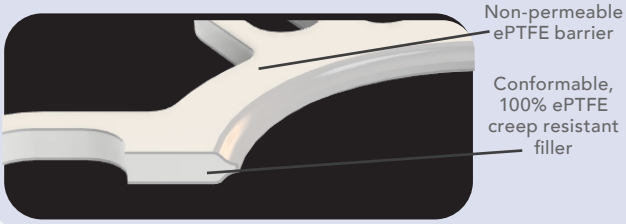
ENCASE Envelope Gaskets Outperform Conventional Envelope Gasket

Conventional Envelope Gasket



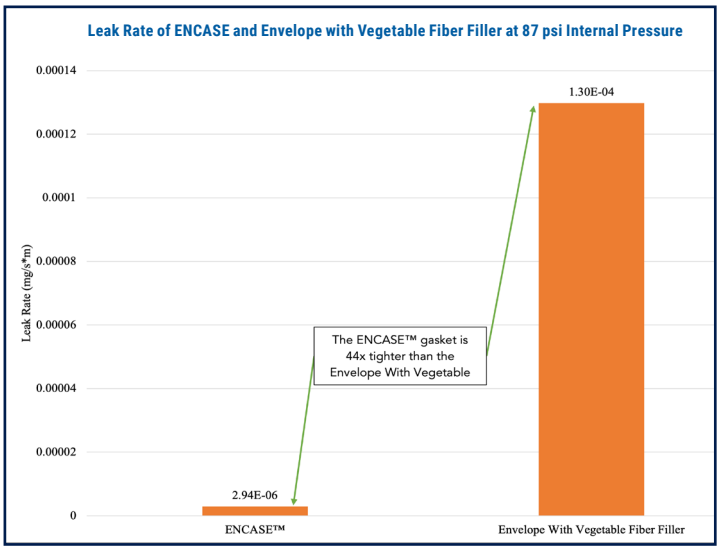
Vs.

ENCASE™

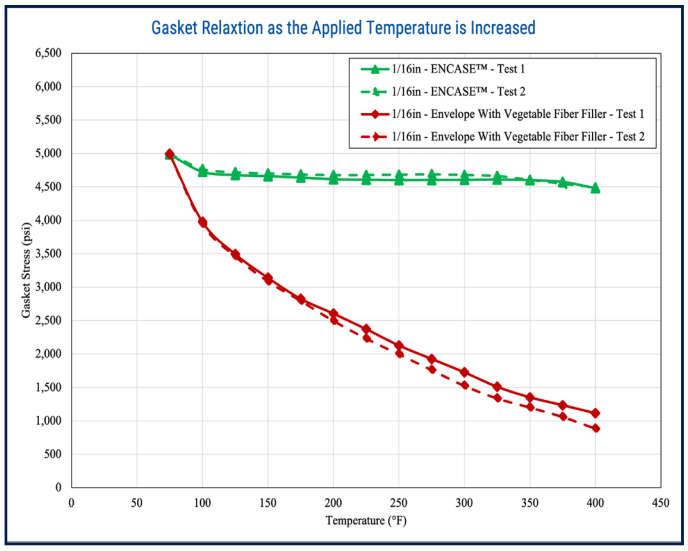


- Inexpensive, often sub-standard construction
- Thin PTFE envelope with a low grade cellulose fiber core/filler
- PTFE Envelope:
  - Any slight imperfection of the PTFE envelope results in imminent, catastrophic failure
  - What is the quality or pedigree of the PTFE envelope?
- The latex cellulose fiber core is:
  - Not chemically compatible with most Tank Container media
  - Short shelf life
  - Softens and degrades when exposed to moisture
- Made from poor load-bearing materials:
  - Significant bolt relaxation
  - Requires frequent replacement or re-torquing

- 100% virgin expanded PTFE
  - Impermeable expanded PTFE outer shell
  - Compressible expanded PTFE core
  - All components are ePTFE providing the broadest chemical compatibility
  - Unlimited shelf life
  - Hydrophobic (does not absorb water)
- The best "torque holding" PTFE gasket material available for Tank Container applications
- Minimal torque loss even at steaming temperatures
  - Long life
  - No retorque required
- Extensive life-cycle compared to related products



The ENCASE gasket is 44X tighter than the PTFE envelope gasket at 250F.



The ENCASE gasket exhibits extremely low creep/torque loss; significantly lower than PTFE envelope gaskets.