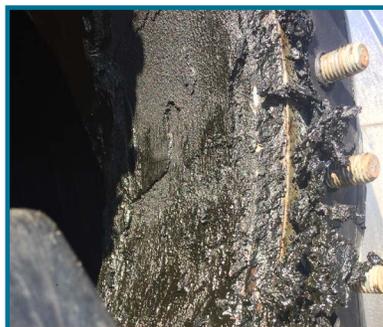


# Expanded PTFE Sheet Material

*Sealing the Unsealable!*

*If compound degradation and gasket material breakdown is occurring due to chemical incompatibilities...*



*...which can lead to systematic equipment fatigue, failure, and various other potential dangerous outcomes....*



*...such as fire, toxin leaks, chemical or gas exposure and other highly explosive events....consult our experts today!*



## **Would you like a material that:**

- Withstands loads over 40,000 PSI without affecting its sealability
- Has an operational temperature range from -260°C/-436°F to 315°C/599°F
- Is unaffected by UV, Ozone, and Corona
- Full vacuum to 3000 PSI
- Will not burn
- Is FDA/USDA Compliant
- Has an unlimited shelf life and will not age, become brittle, or deteriorate
- Is virtually inert, meaning it can handle almost any chemical it is exposed to

Hi-Tech Seals has your solution, and it's 100% expanded PTFE sheet material.

Expanded PTFE sheet material can cover numerous gasket challenges encountered out in the field. Its isotropic property provides a highly fibrillated microstructure with nearly equal strength in every direction.

Expanded PTFE is one of the most tightly tested sealing gasket materials in the world. It will not degrade or deteriorate, making it an excellent choice for handling ultra-pure fluids such as ultra-pure water for the bio-tech and pharmaceutical industries.

Our customers have had great successes with expanded PTFE gaskets in the oilfield, with flanges that were previously unable to be sealed and where gaskets have not lasted more than a couple of months. Typically, gasket breakdown occurred when the existing material was exposed to harsh chemicals in the system or to mother nature. Flanges that were out of alignment have been able to seal, as the compression load that expanded PTFE can withstand, made these flanges operable again and flange replacement was not necessary.

For expanded PTFE's chemical compatibility and full specification sheet, contact a Hi-Tech Seals representative.

