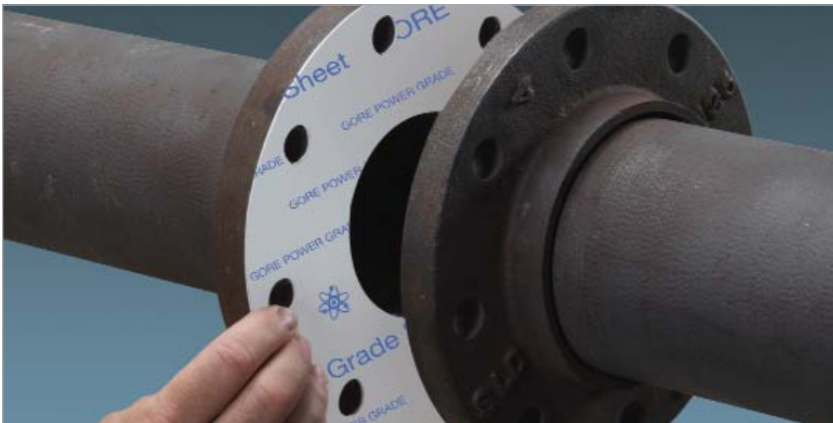


# Gore® Expanded PTFE Offerings

*Fluid Sealing Solutions*

**CURTISS-  
WRIGHT**

Nuclear Power Products and Services



## About Curtiss-Wright

Curtiss-Wright is a leading supplier of safety-related, NQA-1, and commercial grade fluid sealing solutions for the U.S. Department of Energy, commercial nuclear and fossil power plants, the Department of Defense, and the industrial market. We are recognized as an industry leader in providing fluid sealing technologies and leak management solutions with excellent customer service and quality.

## About our Teaming Partner

Founded in 1958, Gore® is a premier manufacturer of sealing products. One of their most significant contributions to fluid sealing was the discovery of expanded PTFE in 1969. Gore has over 3,500 unique inventions supporting over 15 industries and representation spanning across 5 continents.

## What is Expanded PTFE?

Expanded PTFE (ePTFE) is a microporous form of PTFE, manufactured through a specialized stretching process that enhances its flexibility and adaptability. This unique structure gives ePTFE distinct advantages over standard PTFE, making it significantly softer, more compressable, and better suited for more demanding sealing applications. Due to its exceptional properties, ePTFE is widely used in industries requiring high-performance materials capable of withstanding extreme conditions.

Compared to standard PTFE, ePTFE demonstrates superior resilience in harsh environments, offering enhanced chemical resistance, improved sealing performance, and greater conformability to irregular surfaces.

Gore's ePTFE technology not only preserves all the inherent benefits of PTFE, but also significantly enhances its mechanical properties. This results in materials that provide outstanding resistance to creep, cold flow, and blowout, ensuring long-term reliability in even the most challenging operating conditions.

As an authorized distributor for Gore Sealant Technologies, Curtiss-Wright offers Gore Power Grade, Gasket Tape Series 500, and Joint Sealant.



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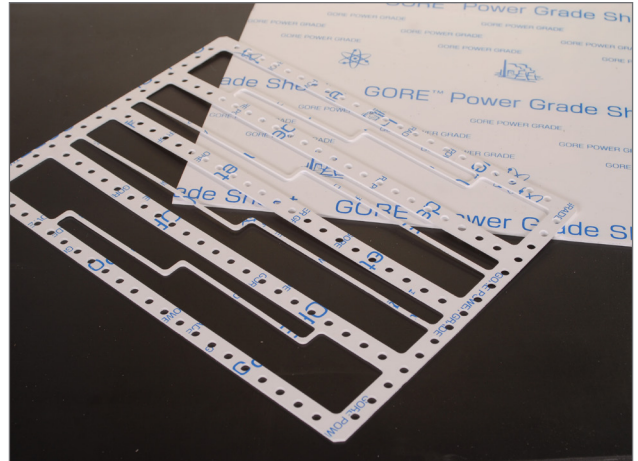
## Fluid Sealing Solutions

### Gore Power Grade

Gore Power Grade Sheet is manufactured specifically for the power industry. Its made from 100% expanded PTFE, offering exceptional chemical resistance and durability. Designed to withstand high temperatures and prevent blowouts, it out performs other PTFE sheet gaskets. This material won't degrade overtime and over time and offers unlimited shelf life. It easily conforms to rough sealing surfaces while compressing into a strong, long-lasting gasket that ensures a tight seal.

#### Specifications

- **Material:** 100% Expanded PTFE
- **Temperature Range:** -450 °F to 600 °F
- **pH Range:** 0-14
- **Operating Pressure:** Vacuum to 3,000 psig



### Gore Joint Sealant

Gore Joint Sealant is the first ever form-in-place gasket material offered to the industry. Manufactured from 100% expanded PTFE, This product is a soft, flexible cord that, when compressed, forms a thin yet robust seal. The material is durable and chemically resistant, and can withstand applications that are high-temperature, demand a gas-tight sealant, and have low bolt loads. Gore Joint Sealant adapts to various shapes and flange conditions, making it a versatile and cost-effective solution for numerous gasketing applications.

#### Specifications

- **Material:** 100% Expanded PTFE
- **Temperature Range:** -452 °F to 600 °F
- **pH Range:** 0-14 (except molten alkali metals and elemental fluorine)
- **Operating Pressure:** 3,000 psi



### Gore Gasket Tape Series 500

Made from 100% expanded PTFE, Gore Gasket Tape is a high-temperature form-in-place product that provides excellent sealing reliability and incredible creep resistance. The material offers at least 50% more creep resistance compared to other PTFE gasket tapes, ensuring a more secure seal and increasing the durability and performance of flanged connections. Gore Gasket Tape Series 500 fits any shape and can withstand virtually any chemical process.

#### Specifications

- **Material:** 100% Expanded PTFE
- **Temperature Range:** -452 °F to 600 °F
- **pH Range:** 0-14
- **Operating Pressure:** 3,000 psi



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