GORE™ Series 500 Tape – Narrow-Width Expanded PTFE Gasketing

GORE™ Series 500 Gasket Tape is a thin, narrow-width expanded PTFE (ePTFE) sealing tape designed for compact flanges, tight installation areas, and small-diameter piping. It delivers high chemical resistance and long-term seal integrity even in restricted-space systems like instrumentation panels, sampling ports, and compact piping skids. Supplied through Allied Fluid Products and stocked by LibertyCES, it's ideal when space is tight but sealing performance still matters.

Key Features

- Narrow-width PTFE tape for sealing small flanges or limited-clearance areas.
- Chemically inert and resistant to thermal cycling, cold flow, and creep.
- Forms a reliable seal with minimal bolt torque — ideal for plastic and glass-lined systems.
- FDA and NSF approved for use in food, beverage, and water systems.
- Installs quickly with peel-and-stick adhesive backing.
- Conforms to irregular flange faces and low-load sealing surfaces.

Technical Specifications

- Material: 100% Expanded PTFE (ePTFE)
- Temperature Range: -450°F to 600°F (-268°C to 315°C)
- pH Range: 0 – 14
- Pressure Rating: Up to 3,000 psi (varies by flange design)
- Width Options: Narrow widths from 0.5 mm to 5 mm (custom widths available)
- Standard Thickness: 1.5 mm (other sizes available)
- Available Lengths: Rolls from 25 ft to 100 ft
- Certifications: FDA 21 CFR 177.1550, NSF/ANSI 61
- Common Uses: Sampling ports, compact piping, plastic tanks, and glass-lined nozzles

Applications

- Instrumentation flanges and control panels
- Compact process piping systems
- Glass-lined and plastic nozzles
- Sampling points and low-load flanges
- OEM skids and tight-space industrial designs
- Cleanroom, food-grade, and chemical process environments

Ordering & Availability

GORE™ Series 500 Tape is available through LibertyCES and Allied Fluid Products in multiple roll sizes and widths. Ships fast for OEM use, lab upgrades, or maintenance in restricted access systems. Contact us for sizing, bulk ordering, or custom kits.