



# GORE® STA-PURE® Sheet Gasketing

FOR PHARMACEUTICAL AND FOOD PROCESSING

Style 1200

## Exceptional Low Creep Design for Bolted Metal Flanges

GORE® STA-PURE® Sheet Gasketing Style 1200 delivers and maintains excellent sealing performance in steel pipe and equipment flanges for pharmaceutical, food and beverage processing.

Style 1200 sheet gasketing has a unique proprietary design of 100% expanded PTFE (ePTFE) that delivers an unmatched combination of performance characteristics:

- Dimensionally stable ePTFE that provides superior creep resistance
- Tough and durable construction, with exceptional high-temperature and high-pressure resistance
- Chemically inert gasketing that resists highly-aggressive process media
- Soft, conformable surface that creates a strong seal to rough, irregular flanges
- Consistent material composition and lot traceability

### Superior Quality Systems and Material Composition

Chemically-inert Style 1200 sheet gasketing is tested and manufactured under quality systems and relevant cGMPs that deliver a consistent material composition and performance. Gaskets cut from Style 1200 sheet gasketing complies with the most demanding requirements including:

- USP Class VI <88> Biocompatibility
- EU Food Contact: (EC) No 1935/2004
- U.S. Food Contact: 21 CFR 174.5(d)

### System-Wide Suitability

Designed to work with many different processing media, Style 1200 enables consolidation of gasketing products. Style 1200 sheet gasketing is available in three standard thicknesses, which can be cut by authorized distributors to match flange requirements.

GORE® STA-PURE® Sheet Gasketing Style 1200 excels at sealing irregular surfaces and maintaining a tight seal under demanding processing and system conditions. Trust Style 1200 sheet gasketing to deliver exceptional sealing reliability in your applications.



### Key Features

- 100% proprietary ePTFE
- Resistant to creep and cold flow
- Chemically inert
- Dimensionally stable
- High-temperature resistant
- Consistent material composition

### Key Benefits

- Maintains reliable, durable seal
- Conforms easily
- Seals irregular flanges
- Retains tightness; minimum re-torque
- Documented lot traceability



# GORE® STA-PURE® Sheet Gasketing

FOR PHARMACEUTICAL AND FOOD PROCESSING

Style 1200



## Technical Data and Properties

### Material

100% expanded PTFE, with multi-directional strength

### Temperature Stability

Expanded PTFE is stable in temperature ranges typically found in food and pharma applications: -100°C to 315°C (-148°F to 600°F).

### Chemical Resistance

Resistance to all media in range of pH 0 – 14 (except alkali metals and elemental fluorine, particularly at elevated temperatures).

### Stress to Seal (Nominal Values)

<b>Qmin<sup>1</sup></b>	1.5 mm (1/16 in.) = 19 MPa (2750 psi)
	3.0 mm (1/8 in.) = 24 MPa (3481 psi)
	6.0 mm (1/4 in.) = 29 MPa (4206 psi)

<b>Qsmin<sup>1</sup></b>	1.5 mm (1/16 in.) = 10 MPa (1450 psi)
	3.0 mm (1/8 in.) = 10 MPa (1450 psi)
	6.0 mm (1/4 in.) = 10 MPa (1450 psi)

<b>y<sup>2</sup></b>	1.5 mm (1/16 in.) = 19 MPa (2750 psi)
	3.0 mm (1/8 in.) = 24 MPa (3200 psi)
	6.0 mm (1/4 in.) = 29 MPa (4206 psi)

<b>m<sup>3</sup></b>	1.5 mm (1/16 in.) = 2.50
	3.0 mm (1/8 in.) = 2.50
	6.0 mm (1/4 in.) = 2.50

### Creep Relaxation (Nominal Values)

<b>Pqr<sup>4</sup></b>	23 °C (73°F)
	1.5 mm (1/16 in.) = 0.94
	3.0 mm (1/8 in.) = 0.90
	6.0 mm (1/4 in.) = 0.84

	150 °C (302°F)
	1.5 mm (1/16 in.) = 0.71
	3.0 mm (1/8 in.) = 0.52
	6.0 mm (1/4 in.) = 0.58

### Available Sizes

#### Standard Thicknesses

1.5 mm (1/16 in.)  
3.0 mm (1/8 in.)  
6.0 mm (1/4 in.)

#### Standard Sheet Size

1524 mm x 1524 mm (60 in. x 60 in.)

<sup>1</sup> Based on EN13555 2014 for a DN40 PN40 gasket, a 0.1 mg/s-m leak rate, ambient temperature and 40 bar internal pressure

<sup>2</sup> Calculated from the EN13555 2014 Qmin test results for a DN40 PN40 gasket

<sup>3</sup> Calculated from the EN13555 2014 Qsmin test results for a DN40 PN40 gasket

<sup>4</sup> Based on EN13555 2014 for a DN40 PN40 gasket and an initial gasket stress of 30 MPa (4351 psi)

## About Gore PharmBIO Products

Our technologies, capabilities, and competencies in fluoropolymer science are focused on satisfying the evolving product, regulatory, and quality needs of pharmaceutical and bioprocessing customers, and medical device manufacturers.

GORE® STA-PURE® Sheet Gasketing, like all products in the Gore PharmBIO portfolio, is tested and manufactured under stringent quality systems. The high-performance products in this portfolio provide creative solutions to our customers' design, manufacturing, and performance-in-use needs.

## Compliance Statements

The sheet gasketing complies with relevant requirements regarding food contact substances in the EU and the U.S., and is intended for repeated use in the production of all food types and under all conditions of use, as it complies with relevant regulations.

The sheet gasketing complies with the regulatory and legislative requirements of (EC) No 1935/2004 and the following: (1) (EC) No 2023/2006 on good manufacturing practice for materials and articles intended to come into contact with food; and (2) (EU) No 10/2011 on plastic materials and articles intended to come into contact with food.

The sheet gasketing may be used for repeated contact with all food types and under all conditions of use, as it complies with relevant FDA requirements regarding food contact substances. Consistent with U.S. FDA regulation 21 CFR 174.5(d), each component is composed of substances that are either: (1) listed or affirmed as generally recognized as safe under 21 CFR Parts 182 or 184; (2) covered by, and meeting all relevant specifications and other requirements in an indirect food additive regulation under 21 CFR Parts 175, 176, 177 and 178; or (3) used in accordance with an effective food contact substance notification under section 409(h) of the FFCA.

Supplied By:



[gore.com/stapuregaskets](http://gore.com/stapuregaskets)

### EUROPE | W. L. GORE & ASSOCIATES, GMBH

Wernher-von-Braun-Strasse 18 • 85640 Putzbrunn, Germany  
Phone: +49 89 4612 3456 • Toll free: 0 800 4612 3456  
Email: [pharmbio\\_eu@wlgore.com](mailto:pharmbio_eu@wlgore.com)

### AMERICAS | W. L. GORE & ASSOCIATES, INC.

402 Vieve's Way • Elkton, MD 21921 • USA  
Phone: +1 410 506 1715 • Toll-free (US): 1 800 294 4673  
Email: [pharmbio@wlgore.com](mailto:pharmbio@wlgore.com)

All technical information and advice given here is based on our previous experiences and/or test results. We give this information to the best of our knowledge, but assume no legal responsibility. Customers are asked to check the suitability and usability in the specific applications, since the performance of the product can only be judged when all necessary operating data are available. The Gore terms and conditions of sale apply to the purchase and sale of the product.

GORE, STA-PURE and designs are trademarks of W. L. Gore & Associates.  
© 2016 W. L. Gore & Associates, Inc.

