



CERTIFICATE NUMBER
EFFECTIVE DATE
EXPIRY DATE
ABS TECHNICAL OFFICE

24-0009550-PDA
16-Jul-2024
15-Jul-2029
Houston Materials

CERTIFICATE OF Product Design Assessment

This is to certify that a representative of this Bureau did, at the request of

W.L. GORE & ASSOCIATES INC.

located at

201 AIRPORT ROAD, , EIKTON, MD, United States, 21921

assess design plans and data for the below listed product. This assessment is a representation by the Bureau as to the degree of compliance the design exhibits with applicable sections of the Rules. This assessment does not waive unit certification or classification procedures required by ABS Rules for products to be installed in ABS classed vessels or facilities. This certificate, by itself, does not reflect that the product is Type Approved. The scope and limitations of this assessment are detailed on the pages attached to this certificate.

Product: Sheet Gasketing
Model: GORE® GR Sheet Gasketing
Endorsements:
Tier: 2 - PDA Issued

This Product Design Assessment (PDA) Certificate remains valid until 15/Jul/2029 or until the Rules and/or Standards used in the assessment are revised or until there is a design modification warranting design reassessment (whichever occurs first).

Acceptance of product is limited to the "Intended Service" details prescribed in the certificate and as per applicable Rules and Standards.

This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

American Bureau Of Shipping

Satya P.K. (Satya Meruva) Meruva,Engineer/Consultant

NOTE: This certificate evidences compliance with one or more of the Rules, Guides, standards or other criteria of ABS or a statutory, industrial or manufacturer's standards. It is issued solely for the use of ABS, its committees, its clients or other authorized entities. Any significant changes to the aforementioned product without approval from ABS will result in this certificate becoming null and void. This certificate is governed by ABS Rules 1-1-A3/5.9 Terms and Conditions of the Request for Product Type Approval and Agreement (2010)

W.L. GORE & ASSOCIATES INC.

201 AIRPORT ROAD

EIKTON MD

United States 21921

Telephone: 410-392-3200

Fax: 410-506-7677

Email: Sealants@wlgore.com

Web: www.gore.com

Tier: 2 - PDA Issued

Product: Sheet Gasketing
Model: GORE® GR Sheet Gasketing
Endorsements:

Intended Service:

Marine & Offshore Applications - Flange Gaskets, Equipment Gaskets, etc., in Process Piping for all Chemicals except Molten Alkali Metals and Elemental Fluorine.
Applications include Steam, Chemical, Fresh Water, Salt Water, Air, Hydraulic Oil, Fuel Oil & Lube Oil Services.

Description:

GORE® GR expanded PTFE Sheet Gasketing.
Standard Thickness: 1 mm (1/32"), 1.5 mm (1/16"), 3 mm (1/8"), 6 mm (1/4").
Sheets may be cut by hand or die-cut.

Rating:

Temperature Range: -450°F to +600°F (-268°C to +315°C);
Operating Pressure: Vacuum to 3000 psig (210 bar);
Chemically Inert to all Media in the Range of pH 0-14, except Molten Alkali Metals and Elemental Fluorine;

Service Restriction:

- Unit Certification is not required for this product.
- Not to be used where materials rendered ineffective by heat.

Comments:

- The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.
- If the manufacturer or purchaser request an ABS Certificate for compliance with a specification or standard, the specification or standard, including inspection standards and tolerances, must be clearly defined.

Notes/Drawing/Documentation:

Drawing No. GR- 2024-06-16, Revision: -, Pages: 1
Drawing No. Product Data Sheet, GORE® GR Sheet Gasketing, Revision: -, Pages: 2

Supporting Documentation (Previous WO0T1875097)

Drawing No. Federal Institute for Materials Research and Testing (Germany) Test Report No. 16020388/E dated 27 September 2016, Revision: -, Pages: 8

Drawing No. TÜV SÜD Industrie Service GmbH Certificate No. 17 03 9045 006 dated 31 March 17, Revision: -, Pages: 2

Drawing No. Gore GR Sheet Gasketing datasheet (SEAL-237-R2-DSH-EN-DEC17), Revision: -, Pages: 2

Drawing No. Safety information for Gore Gasketing (SEAL-180-R1-TEC-US-OCT15), Revision: -, Pages: 1

Terms of Validity:

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This Certificate is valid for installation of the listed product on ABS units which exist or are under contract for construction on or previous to the effective date of the ABS Rules and standards applied at the time of PDA issuance. Use of the Product for non-ABS units is subject to agreement between the manufacturer and intended client.

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STANDARDS

ABS Rules:

2024 Marine Vessel Rules 1-1-4/7.7, 1-1-A3 and A4

2024 Steel Vessels for Service on Rivers and Intracoastal Waterways Rules -1-4/7.7, 1-1-A3 and A4

2024 Bulk Carriers for Service on the Great Lakes Rules 1-1-4/7.7, 1-1-A3 and A4

2024 High-Speed Craft Rules 1-1-4/11.9, 1-1-A2 and A3

2024 Mobile Offshore Units Rules 1-1-4/9.7, 1-1-A2 and A3

2024 Facilities on Offshore Installations Rules 1-1-4/9.7, 1-1-A2 and A3

National:

NA

International:

DIN EN 1797: 2002

ISO 21010: 2017

VDI 2200, June 2007

Government:

NA

EUMED:

NA

OTHERS:

NA