



CERTIFICATE NUMBER	20-2026034-PDA
EFFECTIVE DATE	26-Aug-2020
EXPIRY DATE	25-Aug-2025
ABS TECHNICAL OFFICE	Houston ESD - Piping

CERTIFICATE OF

Product Design Assessment

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

GARLOCK SEALING TECHNOLOGIES

located at

1666 DIVISION STREET, PALMYRA, NY, United States, 14522

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 Gasket

Model Synthetic Fiber - 3760

This Product Design Assessment (PDA) Certificate remains valid until 25/Aug/2025 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

Yongjin Lee, 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)

GARLOCK SEALING TECHNOLOGIES

1666 DIVISION STREET

PALMYRA NY

United States 14522

Telephone: 1-800-448-6688

Fax: 1-800-543-0598

Email: gasketapps@garlock.com

Web: www.garlock.com

Tier: 3 - Type Approved, unit certification not required

Product: Gasket

Model: Synthetic Fiber - 3760

Intended Service:

Marine and Offshore Applications - Gasketing for static flange connections for lubricants.

Description:

Synthetic fibers with proprietary rubber binder. Gaskets for raised or full face flanges for piping, valves, vessels, etc for water, oils and fuels. Gasket swells in oil or water to seal light-weight flanges with limited compressive load, especially cover plates on pumps, valves, bearing assemblies.

Rating:

Temperature Range: -100 °F (-73 °C) to 400 °F (204 °C);

Maximum Pressure: 500 psig.

See attached "pdf" for more data.

Service Restriction:

1) Unit Certification is not required for 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.

2) The Gaskets are not "fire safe" and are not to be used in fire main, sprinkler, foam and other fire fighting systems, and fuel oil tank valves mounted at the fuel tanks which may be subject to a static head of oil. Further, this product is not acceptable for use where "fire safe" requirements are specified by ABS Marine Vessel Rules.

Comments:

1) Duplicate PDA resides with Garlock de Mexico SA DE CV - Mexico.

2) The Manufacturer has provided a declaration about the control of, or the lack of Asbestos in this product.

Notes/Drawing/Documentation:

Declaration of Conformity 3760 Dated 18 May 2020 (New York Office)

Declaration of Conformity 3760 Dated 26 May 2020 (Mexico Office)

Terms of Validity:

This Product Design Assessment (PDA) Certificate remains valid until 25/Aug/2025 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.

STANDARDS

ABS Rules:

The Rules for Conditions of Classification, Part 1 2020 Marine Vessels Rules 1-1-4/7.7, 1-1-A3, 1-1-A4, which covers the following:

2020 Rules for Building and Classing Marine Vessels, 4-6-1/3.5, 4-6-2/9.5 vi)

The Rules for Conditions of Classification, Part 1 2020 Offshore Units and Structures, 1-1-4/9.7, 1-1-A2, 1-1-A3,

GARLOCK SEALING TECHNOLOGIES

1666 DIVISION STREET

PALMYRA NY

United States 14522

Telephone: 1-800-448-6688

Fax: 1-800-543-0598

Email: gasketapps@garlock.com

Web: www.garlock.com

Tier: 3 - Type Approved, unit certification not required

which covers the following:

2020 Rules for Building and Classing Mobile Offshore Units, 4-2-1/3.5

National:

ASTM F37-06(2019) (Method B) Standard Test Methods for Sealability of Gasket Materials

ASTM F152-95(2017) Standard Test Methods for Tension Testing of Nonmetallic Gasket Materials.

International:

NA

Government:

NA

EUMED:

NA

OTHERS:

NA