



## *Confirmation of Type Approval*

This is to certify that, pursuant to the Rules of American Bureau of Shipping (ABS), on 13/APR/2007 the manufacturer of the below listed product held a valid Manufacturing Assessment (MA) and a valid Product Design Assessment (PDA) for the below listed product, entitling the product to type approval. The validity of the Manufacturing Assessment is dependent on satisfactory audits as required by the Rules. The Product Design Assessment is valid only for products intended for use on ABS classed vessels, MODUs or facilities which are in existence or under contract for construction on the date of the ABS Rules used to evaluate the Product.

For Date of ABS Rules used for evaluation; Please refer to the ABS Rules below.

This Confirmation of Product Type Approval is valid as of the date shown above for the below listed product.

ABS makes no representations regarding type approval of the Product for use on vessels, MODUs or facilities built after the date of the ABS Rules used for evaluation.

Due to wide variety of specifications used in the products ABS has evaluated for Type Approval, it is part of our contract that the Client has full responsibility for continued compliance with the evaluation standard, whether the standard is an ABS Rule or a non-ABS Rule. As specified in the ABS Rules, Unit Certification may be required in addition to Product Type Approval. Please refer to the "Service Restrictions" shown below to determine if Unit Certification is required for this product.

### Garlock Sealing Technologies

Model Name(s): Flexible Graphite Gaskets - Graph-Lock, 3125SS, 3125TC

**Presented to:**

Garlock Sealing Technologies  
1666 Division Street  
Palmyra  
New York 14522  
United States

**Intended Service:**

Static flange connections in superheated and saturated steam, aliphatic and aromatic hydrocarbons. These materials are listed by the manufacturer as fire safe

**Description:**

95% minimum carbon content flexible graphite with stainless steel insert; Model 3125SS: Smooth sheet of stainless steel in the center; Model 3125TC: Perforated, tanged stainless steel in the center

**Ratings:**

Temperature: 1200 degrees F Maximum in steam, 850 degrees F maximum in air, 400 degrees F Minimum; Pressure: 2000 psig; P x T Rating: 700,000 psig F for 1/16" and thinner; P x T Rating 350,000 psig F for 1/8"

**Service Restrictions:**

Gaskets which are not considered "fire safe" are not to be used in firemain, sprinkler, foam and other fire fighting systems

**Comments:**

None

**Notes / Documentation:**

**Term of Validity:**

This product/model is covered under Product Design Assessment (PDA) Certificate # 04-HS421875A-PDA, dated 30/Jan/2004. This PDA Certificate expires Jan of 2009. It will remain valid for the 5 years from date of issue or until the Rules or specifications used in the assessment are revised (whichever occurs first).

**ABS Rules:**

2004 Steel Vessel Rules 4-6-1/7

**National Standards:**

ASTM F104-93, F868-91

**International Standards:**

**Government Authority:**

**EUMED:**  
**Others:**



Manager, ABS Programs

ABS has used due diligence in the preparation of this certificate and it represents the information on the product in the ABS Records as of the date and time the certificate was printed. Type Approval requires Drawing Assessment, Prototype Testing and assessment of the manufacturer's quality assurance and quality control arrangements. Limited circumstances may allow only Prototype Testing to satisfy Type Approval. The approvals of Drawings and Products remain valid as long as the ABS Rule, to which they were assessed, remains valid. ABS cautions manufacturers to review and maintain compliance with all other specifications to which the product may have been assessed. Further, unless it is specifically indicated in the description of the product; Type Approval does not necessarily waive witnessed inspection or survey procedures (where otherwise required) for products to be used in a vessel, MODU or facility intended to be ABS classed or that is presently in class with ABS. Questions regarding the validity of ABS Rules or the need for supplemental testing or inspection of such products should, in all cases, be addressed to ABS.