



Approval Certificate

This is to certify, that the undernoted products have been approved in accordance with the relevant requirements of the GL Approval System.

Certificate No. 47 662 - 03 HH

Product Impregnated graphite flat gasket - metal reinforced

Type GRAFILIT SP

Technical Data / Application
TECHNICAL DATA
Composition: flexible graphite sheets mechanically bonded to a tanged stainless steel insertion (AISI 316; 0,1mm)
Density of graphite: 1.0 [g/cm³]
Ash content of graphite: < 1.0 [%]
Chloride content: < 50 [ppm]
Thickness of gasket sheets: 1 [mm] to 3 [mm]
Thickness of reinforcing sheets: 0.1 [mm] (AISI 316)

RANGE OF APPLICATION

The gaskets may be used under consideration of the mechanical and physical properties as well as the chemical resistance as follows:

- Ship's piping systems including cargo lines on Chemical and Gas Tankers carrying propylene oxide and mixtures of ethylene / propylene oxide.
- Maximum allowable working pressure and temperature according to the specification of the manufacturer.

Approval Standard • ASTM, DIN, SOLAS 74 as amended – Chapter II-1 – Reg.3.5.2 – asbestos-free compliance

Documents Test Report no. NLSH1307021478601 (CTI) – asbestos-free content, dd. 2013-07-10; Donit Tesnit laboratory protocol for testing material Grafilit SP dd. 2013-08-02; (continuation on page 2)

Remarks The selection of the gaskets for the corresponding service and the right installation are to be in accordance with the instructions of the manufacturer.

Valid until 2018-10-21

File No. XI.B.03

Germanischer Lloyd

Hamburg, 2013-10-22

Hanspeter Raschle

Plamen Dinkov



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Documents (continuation from page 1):

Manufacturer's confirmation/declaration for asbestos-free content, doc-no. 2013-27;
ISO 9001:2008 cert.no. 12100/1047202, TMS/TÜV Süd;
Audit report (ISO9001:2008, ISO14001:2004), dated 2013-03-08;
Specification GRAFILIT® SP;
GL Audit Report dated 2013-10-18

Germanischer Lloyd

Hamburg, 2013-10-22

Hanspeter Raschle

Plamen Dinkov