



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

Certificate No.

98 951 - 97 HH

Company

Rich. Klinger Dichtungstechnik GmbH & Co. KG

Am Kanal 8-10

2352 Gumpoldskirchen, AUSTRIA

Product

FLAT GASKETS - ASBESTOS FREE

Type

KLINGERSIL C-4300 / 4243 / 4324 / 4400

Technical Data / Application

TECHNICAL DATA (continued)

Type Density

Compressibility

Recovery Tightness

Soluble chloride content

Klinger cold / hot compression, 50 MPa

KLINGERSIL C-4300

1.6 [g/cm³]

14% { ASTM F 36 J } =/> 50% { ASTM F 36 J } 0.2 [ml/min] { DIN 3535-6 }

150 [ppm]

thickness decrease at 23 [°C]: 10% thickness decrease at 300 [°C]: 25%

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 excluding cargo lines on Chemical and Gas Tankers

carrying propylene oxide and mixtures of ethylene / propylen oxide.

• Maximum allowable working pressure and temperature according to the

specification of the manufacturer.

Approval Standard

ASTM and DIN

Documents

Test ReportsTechnical DataAudit Report

Remarks

• TECHNICAL DATA, PRODUCTION PLACES and REMARKS / LIMITATIONS

see page 2.

Valid until

2018-11-20

File No.

XI.B.03

Germanischer Lloyd

Hamburg, 2014-01-08

Olaf Drew

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TECHNICAL DATA

Type Density Compressibility Recovery **Tightness**

Klinger cold / hot compression, 50 MPa

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Type Density Compressibility Recovery **Tightness** Soluble chloride content

Klinger cold / hot compression, 50 MPa

KLINGERSIL C-4243 1.75 [g/cm³] 8% { ASTM F 36 A} =/> 55% { ASTM F 36 A } 0.4 [ml/min] { DIN 3535-6 } thickness decrease at 23 [°C]: 10% thickness decrease at 200 [°C]: 25%

KLINGERSIL C-4324 1.85 [g/cm³] 10% { ASTM F 36 J } =/> 55% { ASTM F 36 J } 0.4 [ml/min] { DIN 3535-6 }

thickness decrease at 23 [°C]: 10% thickness decrease at 300 [°C]: 25%

KLINGERSIL C-4400 1.6 [g/cm³] 11% { ASTM F 36 J } =/> 55% { ASTM F 36 J } 0.2 [ml/min] { DIN 3535-6 }

150 [ppm]

thickness decrease at 23 [°C]: 10% thickness decrease at 300 [°C]: 22%

PRODUCTION PLACES

Rich. Klinger Dichtungstechnik GmbH & Co. KG Am Kanal 8-10 2352 Gumpoldskirchen **AUSTRIA**

REMARKS / LIMITATIONS

The selection of the gaskets for the corresponding application and the appropriate installation is to be in acc. with the instructions of the manufacturer.

Germanischer Lloyd

Hamburg/2014-01-08

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