



Type Approval Certificate

Germanischer Lloyd

This is to certify that the undernoted product(s) has/have been tested in accordance with the relevant requirements of the GL Type Approval System.

Certificate No. 47 707 - 03 HH

Company Rich. Klinger Dichtungstechnik GmbH & Co. KG
Am Kanal 8 - 10
A-2352 Gumpoldskirchen

Product Description FLAT GASKETS

Type KLINGERSIL C-6307 / 6327 / 8200

Environmental Category None

Technical Data / TECHNICAL DATA (continued)

| | | |
|----------------------|--|---|
| Range of Application | Type | KLINGERSIL C-6307 |
| | Density | 1.7 [g/cm ³] |
| | Compressibility | 9%-15% { ASTM F 36 J } |
| | Recovery | =/ > 45% { ASTM F 36 J } |
| | Tightness | 0.5 [ml/min] { DIN 3535-6 } |
| | Soluble chloride content | 150 [ppm] |
| | Klinger cold / hot compression, 50 MPa | thicknees decrease at 23 [°C]: 10% thicknees decrease at 300 [°C]: 28% |

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 / propylene oxide.
- Maximum allowable working pressure and temperature according to the specification of the manufacturer.

Test Standard • ASTM and DIN

Documents • Test Reports
• Technical Data
• Audit Report

Remarks None

Valid until 2008-11-20

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File No. II.C.09

Hamburg, 2003-11-21

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TECHNICAL DATA

| | |
|-------------------|---|
| Type | KLINGERSIL C-6327 |
| Density | 1.7 [g/cm ³] |
| Compressibility | 25% { ASTM F 36 A } |
| Recovery | =/ > 45% { ASTM F 36 A } |
| Stress relaxation | 25 [MPa] { DIN 52913, 50 MPA, 16h/175°C } |

| | |
|--|--|
| Type | KLINGERSIL C-8200 |
| Density | 1.7 [g/cm ³] |
| Compressibility | 9% { ASTM F 36 J } |
| Recovery | =/ > 55% { ASTM F 36 J } |
| Tightness | 0.2 [ml/min] { DIN 3535-6 } |
| Soluble chloride content | 150 [ppm] |
| Klinger cold / hot compression, 25 MPa | thickness decrease at 23 [°C]: 7% thickness decrease at 200 [°C]: 17% |

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

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