



Klinger 4310

A combination of selected glass fibre yarns and graphite to produce a general valve and static seal packing.

Klinger 4310 is one of the Klinger TopLine range of compression packings.

This is an optimised range introduced to provide users with gland sealing products that meet today's demanding services, offering effective and trouble-free sealing during application. To achieve this we have selected the best materials and the best production methods. The result is the Klinger TopLine range.

Ongoing test and development in line with the Klinger philosophy will ensure the continued improvement of the TopLine products.

- *Klinger 4310, is a glass yarn packing with graphite lubricant impregnation. The result is an efficient alternative to asbestos in valve applications and static sealing duties eg. caulking purposes.*
- *Glass fibres have superior thermal resistance, dimensional stability and excellent tensile strength. The addition of graphite improves the overall chemical resistance of the packing while acting as a blocking agent to offer an economic seal without compromising leak-free performance.*
- *K4310 has a low coefficient of friction, is non-scoring and will not extrude or cold flow.*
- *Klingerlock braided construction.*
- *The packing is clean to handle, readily manipulated and easy to cut.*



aerospace
sector
certification
scheme

BS EN 9100:2003, ISO 9001:2008
Certificate no: FM 10571

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Service Capabilities

When used in equipment in good mechanical condition and installed using our product guidelines the undernoted values apply:

- *Minimum operating Temperature* **-50°C**
- *Maximum operating temperature* **450°C**
- *Maximum steam temperature* **450°C**
- *pH* **2-12**
- *Maximum static pressure* **200 Bar**
- *Maximum rotary pressure* **20 Bar**
- *Maximum reciprocating pressure* **30 Bar**
- *Maximum rotary speed* **5 m/s**
- *Maximum reciprocating speed* **3 m/s**

Note: *The packing should not be subjected to the maximums of temperature, pressure and speed simultaneously, for further advice please contact our technical department.*

Forms of Supply

Klinger packings are offered in a range of standardised packages:

Size:
3mm to 25mm

Length:
8 metres per box

by weight:
sizes under 9.5mm 1kg/box
9.5mm to 12.5mm 2kg/box
sizes over 12.5mm 4kg/box

Alternative lengths and weights can be offered upon request, please contact Klinger for further details.

Klinger 4310 is suitable for use as a general valve and pump packing within many industries, for example;

- *Distilleries*
- *Pulp & Paper Mills*
- *Breweries*
- *General factory / Plant maintenance*

Technical Advice

If you require additional technical information or would like Klinger to advise you on a particular application, then contact our Technical Department at the address shown.

It is advantageous to provide the following details:

1. *Type of valve or pump*
2. *Working and test pressure*
3. *Temperature - steady or cycling*
4. *Rate of pressure & temperature increase*
5. *Medium and concentration*
6. *Operating speed*
7. *Special requirements*
8. *Details of stuffing box design*