



Klinger 4330

High Performance TopLine Packing manufactured from special synthetic fibres. For use in all rotary applications requiring a resilient, conformable packing grade.

Klinger 4330 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 4330, is a soft, fibrous packing manufactured from synthetic Novoloid filaments with many of the attributes of other non-asbestos pump packings, but with the key benefits of improved lubricity and service life.*
- *Golden in colour K4330 is manufactured by our Klingerlock process, during which we add a controlled amount of PTFE. This produces a dense, deformable packing that is easy to handle.*
- *K4330 is thermally stable and will not expand or shrink during fluctuations in process conditions.*
- *Unlike Aramid grades which may be detrimental to shafts/sleeves, Klinger 4330 due to its low coefficient of friction offers significant improvements in rotary applications, minimising any wear.*
- *K4330 has excellent chemical resistance (pH 1-13) and is employed as a replacement to PTFE grades due to the improved resistance to abrasive media it offers. Additionally K4330 will not extrude or harden, requiring minimum gland adjustment when installed.*



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

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TopLine Packing 4330

Service Capabilities

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

- *Minimum operating Temperature* **-100°C**
- *Maximum operating temperature* **280°C**
- *Maximum steam temperature* **280°C**
- *pH* **1-13**
- *Maximum rotary pressure* **25 Bar**
- *Maximum running speed* **15 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 4330 is suitable for use as a general valve and pump packing within many industries, for example;

- *Petrochemical Plants*
- *Chemical Processing*
- *Sewage Works*
- *Pulp & Paper Mills*
- *Refineries*
- *Quarries & Mines*

Typical examples of equipment are; centrifugal pumps, mixers, agitators etc.

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*