



# 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.*





# TopLine Packing 4330

## Service Capabilities

When used in equipment in good mechanical condition and installed using our product guidelines the undemoted 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

