



Klinger 11

A combination of Acrylic yarn and graphite, producing an economic yet versatile synthetic packing, well suited to general service in valves and pumps.

K11 is only 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 goal we have selected the best materials and the best production methods. The result is the Klinger TopLine packing range.

Ongoing Test & Development in line with Klinger philosophy will ensure the continued improvement of all TopLine products.

- The base yarn of Klinger 11 is spun from carefully selected acrylic filaments. To this we add a controlled amount of graphite dispersion producing a packing that is ideally suited for general valve and pump use.
- The Klingerlock construction ensures a firm yet conformable packing that requires little adjustment after the initial installation.
- The packings low coefficient of friction ensures easy operation and actuation of any valve or pump, without detrimental stem or shaft wear.
- The graphite dispersion enhances the chemical resistance of this TopLine packing allowing it to effectively seal the majority of chemical media commonly found within today's industrial environments.



aerospace
sector
certification
scheme

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

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TopLine Packing 11

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 **300°C**
- Maximum steam temperature **300°C**
- pH **4-10**
- Maximum static pressure **100 bar**
- Maximum dynamic pressure **40 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 11 is suitable for use as a general valve and pump packing within many industries, for example;

- Pulp & Paper Mills

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

