

Ramiex

Our strongest natural fibre packing



Description

Versatile, high-performance packing, cross-plaited from top-quality bleached ramie fibre yarns that are impregnated with an advanced PTFE dispersion lubricant. The result is a consistent packing of uniform density and compressibility.

Ramie, a tropical nettle plant, produces a fibre of extreme durability, rot resistance and significantly greater strength than flax, cotton or hemp.

Typical applications

Used with great success in the mining and quarrying industries on reciprocating

pumps working at 300bar with water containing highly abrasive particles. Also used for water-based hydraulic systems, pulp and paper processing with cellulose slurry, brine circulation, cooling water systems, and with fluids that crystallise or contain suspended solids.

Prime features

- Excellent extrusion resistance.
- Excellent abrasive resistance.
- Excellent rot resistance.
- Low friction and low wear.
- Kind to shafts and sleeves.
- **Supalubrication** of yarns (*page 33*).

Chemical properties

Compatible with media in the range pH 4-11.

Service capabilities



Valve stem duties

| | |
|---------------------|--------|
| Maximum temperature | +120°C |
| Minimum temperature | -30°C |
| Max system pressure | 250bar |



Centrifugal pumps & rotary equipment

| | |
|------------------------|---------------|
| Operating temperatures | As valve stem |
| Maximum shaft speed | 17.5m/s |
| Max system pressure | 20bar |



Reciprocating pumps & rams

| | |
|------------------------|---|
| Operating temperatures | As valve stem |
| Maximum rod speed | 2m/s |
| Max system pressure | 250bar (can be extended to 700bar with special support rings on some applications) |

How supplied

Ex-stock: all popular square sections from 3mm to 25mm, boxed in 8m lengths. Also supplied as split preformed rings and sets. Full fitting instructions are included.