

# 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 <i>(can be extended to 700bar with special support rings on some applications)</i>

### 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.