

James Walker®

Arasele Packing

- *Long-life gland sealing for pumps and valves handling abrasive slurries*
- *Soft and strong – can beat shaft wear created by inferior grades of aramid-based packing*
- *Rubber core absorbs eccentric motion and thermal or pressure cycling*



High Performance Sealing Technology



Arasele Packing – designed to beat shaft wear

James Walker's skills in materials technology, tribology and gland packing manufacture have combined to create a highly effective replacement for the hard-fibred 'yellow' products often used for their abrasion resistance.

With the development of Arasele, users can readily overcome the shaft wear and rod wear problems often experienced on rotary and reciprocating pumps when inferior grades of aramid-based packing are used with highly abrasive slurries and aggressive chemicals.

Arasele has many advantages over traditional 'yellow' packings, it:

- Is kinder to shafts under adverse operating conditions and can eliminate unnecessary wear.
- Has excellent resistance to abrasion and chemical attack.
- Resists hydrolysis – making it ideal for duties with steam, water and hot aqueous solutions.
- Has better thermal conductivity than most 'white' or 'yellow' packings.
- Can absorb eccentric shaft actions and thermal or pressure cycling.
- Can significantly reduce users' stockholding requirements by providing long-life gland sealing for most pumps and valves on a site.

Description

Arasele is a high performance 'white' gland packing, braided from fine yarns of tough synthetic aromatic polymer fibre.

The yarns are texturised and impregnated uniformly and deeply with PTFE dispersion to a high concentration, before being braided over a central core of temperature resistant white elastomer.

A silicone-free, inert and colourless lubricant is incorporated during the manufacturing process to provide swift and easy running-in on dynamic duties.

Typical applications

Gland sealing on rotary or reciprocating pumps and valves that handle highly abrasive slurries or aggressive chemical solutions in the mineral, pulp and paper, wastewater and chemical processing industries.

It is also recommended for water, aqueous solutions and other media in processes where a clean white, non-staining gland packing is required.

Arasele proves particularly effective in applications where its rubber core enables the packing to absorb the eccentric movement of shafts or rams that run out-of-true.

This form of construction can also provide the packing with swift recovery from thermal or pressure shocks and cycling.

Chemical properties

Compatible with fluid media in the range pH 1-13, including steam, water, fuels, oils, solvents, acids and alkalis.

Note: This level of chemical resistance is better than that provided by traditional aramid-based packings.

Service capabilities

Valve stem duties

Maximum temperature:	+288°C
Minimum temperature:	-50°C
Maximum system pressure:	150bar

Centrifugal pumps & rotary equipment

Maximum temperature:	+288°C
Minimum temperature:	-50°C
Maximum shaft speed:	20m/s
Maximum operating pressure:	25bar

Reciprocating pumps & rams

Maximum temperature:	+288°C
Minimum temperature:	-50°C
Maximum rod speed:	1.5m/s
Maximum operating pressure:	100bar

Note: Traditional aramid-based packings typically work at a maximum temperature of +250°C.

How supplied

Ex-stock: in all standard square sections to fit pump and valve glands, boxed in 8m coiled lengths for on-site maintenance economy.

Arasele is also available as mould-formed rings and sets for ease of installation during OEM and refurbishment assembly. Full fitting instructions are included.



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Health warning: If PTFE products are heated to elevated temperatures, fumes will be produced which may give unpleasant effects, if inhaled. Whilst some fumes are emitted below 300°C, the effect at these temperatures is negligible. Care should be taken to avoid contaminating tobacco with PTFE particles or dispersion, which may remain on hands or clothing. Material Safety Data Sheets (MSDS) are available on request.

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