

Lionpak[®]

3302

High performance
abrasion-resistant 'white' packing

Previously known as Arasele[®]

Lionpak[®] 3302 is a high performance abrasion-resistant 'white' gland packing offering minimal wear, braided from fine yarns of tough synthetic 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.

Prime features

- Kinder to shafts than traditional 'yellow' packings.
- Can eliminate unnecessary wear under adverse operating conditions.
- Excellent resistance to chemical and abrasive media.
- Resists hydrolysis - ideal for steam, water and hot aqueous solutions.
- Better thermal conductivity than most 'white' or 'yellow' packings.
- Can absorb eccentric shaft/ram actions and thermal/pressure shocks and cycling.

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.

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

Chemical properties

Compatible with media in the range pH 0-13, including steam, water, fuels, oils, solvents, acids and alkalis.

Note: this chemical resistance is better than that of traditional aramid-based packings.

How supplied

All popular square sections from 3 to 25 mm ($\frac{1}{8}$ " to 1") in boxes containing 8 m (26' 3"), in coil form or on spools as detailed in the table below. Also supplied as split preformed rings and sets.

Spool ordering information			
Size		Packaged \pm 10%	
mm	inch	kg	lbs
3.0	$\frac{1}{8}$	0.9	2
5.0	$\frac{3}{16}$	0.9	2
6.5	$\frac{1}{4}$	0.9	2
8.0	$\frac{5}{16}$	2.3	5
10.0	-	2.3	5
11.0	$\frac{7}{16}$	2.3	5
12.5	$\frac{1}{2}$	4.5	10
14.0	$\frac{9}{16}$	4.5	10
16.0	$\frac{5}{8}$	4.5	10
20.0	$\frac{13}{16}$	4.5	10
22.0	$\frac{7}{8}$	4.5	10
25.0	1	4.5	10

Notes: *Traditional aramid-based packings typically work at a maximum operating temperature of +250°C (+482°F).

SPECIALISED PACKING



VALVE STEM DUTIES

Maximum Operating Temperature:

+285°C (+545°F)*

Minimum Operating Temperature:

-50°C (-58°F)

Maximum System Pressure:

15 MPa/150 bar (2175 psi)



CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperature:

+285°C (+545°F)*

Minimum Operating Temperature:

-50°C (-58°F)

Maximum Shaft Speed:

20 m/s (3937 fpm)

Maximum System Pressure:

2.5 MPa/25 bar (363 psi)



RECIPROCATING PUMPS AND RAMS

Maximum Operating Temperature:

+285°C (+545°F)*

Minimum Operating Temperature:

-50°C (-58°F)

Maximum Rod Speed:

1.5 m/s (295 fpm)

Maximum System Pressure:

10 MPa/100 bar (1450 psi)

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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 (572°F) from PTFE, the effect at these temperatures is negligible. Care should be taken to avoid contaminating tobacco with particles of PTFE or PTFE dispersion, which may remain on hands or clothing. Safety Data Sheets (SDS) are available on request.

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To ensure you are working with the very latest product specifications, please consult the relevant section of the James Walker website: www.jameswalker.biz.

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