

Lionpak[®]

5101

Reinforced graphite for high integrity sealing with aggressive media

Lionpak[®] 5101 is a braided packing comprising expanded graphite fibre, with 99% minimum purity, reinforced with a non-metallic filament.

It is impregnated with James Walker's proprietary high temperature, graphite-based dispersion to enhance sealability.

Prime features

- High integrity sealing over long operational periods.
- Excellent chemical resistance across a very wide temperature range.
- Lubrication system assists self-adjustment when the gland is tightened.

Typical applications

Centrifugal pumps, valves, dryers and reactors. Suitable for use with superheated and saturated steam, gases, petrochemicals, hydrocarbons, hot oil, thermic fluid, acids and alkalis, solvents, organic chemicals, emissive fluids and nitrous oxide.

Please note that this packing is unsuitable for reciprocating duties.

Chemical properties

Compatible with media in the range pH 1-14, excluding strong oxidising agents.

How supplied

All popular square sections from 3 mm to 50 mm (1/8" to 2") 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 ± 10%	
mm	inch	kg	lbs
3.0	1/8	0.9	2
5.0	3/16	0.9	2
6.5	1/4	0.9	2
8.0	5/16	0.9	2
10.0	-	2.3	5
11.0	7/16	2.3	5
12.5	1/2	2.3	5
14.0	9/16	2.3	5
16.0	5/8	4.5	10
20.0	13/16	4.5	10
22.0	7/8	4.5	10
25.0	1	4.5	10



VALVE STEM DUTIES

Maximum Operating Temperatures:
Steam

+550°C (+1022°F)

Oxidising conditions

+450°C (+842°F)

Minimum Operating Temperature:

-200°C (-328°F)

Maximum System Pressure:

10 MPa/100 bar (1450 psi)



CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperatures:
Steam

+550°C (+1022°F)

Oxidising conditions

+450°C (+842°F)

Minimum Operating Temperature:

-200°C (-328°F)

Maximum Shaft Speed:

20 m/s (3937 fpm)

Maximum System Pressure:

3.5 MPa/35 bar (508 psi)