

Lionpak[®]

5100

High purity exfoliated graphite packing
Previously known as Ribbonpak



Lionpak[®] 5100 is a high purity 98% exfoliated graphite ribbon, plaited into a length-form packing for convenient on-site maintenance.

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

Prime features

- Excellent chemical resistance across an exceptionally wide temperature range.
- Replaces moulded graphite sealing rings.
- Flexible and compressible.
- Easy to install - no special tools needed.
- Reduces stockholding requirements.

Typical applications

High speed rotary pumps handling water or slurry in pulp and paper processing. Also a general purpose valve stem packing for steam and chemical processing duties

Chemical properties

Compatible with media in the range pH 0-14, excluding strong oxidising agents. Negligible volatile content. Low in extractable trace impurities such as chloride and sulphur.

How supplied

All popular square sections from 3 mm (1/8") upwards 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	2.3	5
8.0	5/16	2.3	5
10.0	-	2.3	5
11.0	7/16	2.3	5
12.5	1/2	2.3	5
14.0	9/16	4.5	10
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)

Non-Oxidising conditions

+850°C (+1562°F)

Minimum Operating Temperature:

-200°C (-328°F)

Maximum System Pressure:

25 MPa/250 bar (3626 psi)



CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperatures:
Steam

+550°C (+1022°F)

Oxidising conditions

+450°C (+842°F)

Non-Oxidising conditions

+850°C (+1562°F)

Minimum Operating Temperature:

-200°C (-328°F)

Maximum Shaft Speed:

25 m/s (4921 fpm)

Maximum System Pressure:

2.5 MPa/25 bar (363 psi)

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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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