

Lionpak[®]

2303

Reliable packing based on graphite & PTFE yarn with silicone-free lubrication

Previously known as Liongraf

Lionpak[®] 2303 is a highly reliable pump and valve packing based on graphite and PTFE yarn that is thermally stabilised then lubricated with a silicone-free compound.

Sections of 6.5 mm (1/4") square and above are of cross-plaited construction; sections below 6.5 mm are plaited.

Prime features

- Strong, durable and extrusion resistant.
- Reliable over a wide range of duties.
- Excellent chemical resistance.
- Low friction with high thermal conductivity.

Typical applications

Widely regarded as an economical packing for universal application and the reduction of stockholding requirements. Well proven in the petrochemical, power generation, marine and metallurgical sectors, and by pump and valve manufacturers for OEM installation. It is suitable for duties with steam, condensate, effluents, fuels and oils, acids, alkalis and chemical solutions.

Chemical properties

Compatible with media in the range pH 0-14, including corrosive fluids and solvents.

How supplied

All popular square sections from 3 mm to 25 mm (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 ± 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	2.3	5
10.0	-	2.3	5
11.0	7/16	2.3	5
12.5	1/2	4.5	10
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



SPECIALISED PACKING



VALVE STEM DUTIES

Maximum Operating Temperature:

+260°C (+500°F)

Minimum Operating Temperature:

-100°C (-148°F)

Maximum System Pressure:

12 MPa/120 bar (1740 psi)



CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperature:

+260°C (+500°F)

Minimum Operating Temperature:

-100°C (-148°F)

Maximum Shaft Speed:

17.5 m/s (3445 fpm)

Maximum System Pressure:

2 MPa/20 bar (290 psi)



RECIPROCATING PUMPS AND RAMS

Maximum Operating Temperature:

+260°C (+500°F)

Minimum Operating Temperature:

-100°C (-148°F)

Maximum Rod Speed:

2.0 m/s (394 fpm)

Maximum System Pressure:

8 MPa/80 bar (1160 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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