

# Lionpak<sup>®</sup>

## 2302

### PTFE/graphite for resilience & excellent chemical resistance

#### Lionpak<sup>®</sup> 2302 is an improved duplex braided packing of expanded PTFE with high quality graphite intimately entrapped in the porous structure of the PTFE resin.

The product is further lubricated with molybdenum disulphide (MoS<sub>2</sub>).

#### Prime features

- A dense packing offering a high degree of resilience and dimensional stability.
- The graphite provides heat dissipation to enhance the product's long and efficient working life, which is also improved by the excellent thermal conductivity of molybdenum disulphide.
- Molybdenum disulphide enhances high speed rotary operations by minimising friction and wear.
- The molybdenum disulphide content also provides good chemical resistance.

#### Typical applications

Centrifugal and reciprocating pumps, valves, large diameter shafts, reactor vessels, agitators, mixers and autoclaves. Suitable for duties with acids and alkalis of any concentration, phosphoric acid, hydrocarbons, solvents, raw water, demineralised water, condensate and cooling water.

#### Chemical properties

Compatible with media in the range pH 0-14, excluding strong oxidisers, molten alkali metals and fluorine compounds.

#### 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	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



#### VALVE STEM DUTIES

Maximum Operating Temperature:

+250°C (+482°F)

Minimum Operating Temperature:

-100°C (-148°F)

Maximum System Pressure:

8 MPa/80 bar (1160 psi)



#### CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperature:

+250°C (+482°F)

Minimum Operating Temperature:

-100°C (-148°F)

Maximum Shaft Speed:

22 m/s (4331 fpm)

Maximum System Pressure:

1 MPa/10 bar (145 psi)



#### RECIPROCATING PUMPS AND RAMS

Maximum Operating Temperature:

+250°C (+482°F)

Minimum Operating Temperature:

-100°C (-148°F)

Maximum Rod Speed:

1.0 m/s (197 fpm)

Maximum System Pressure:

8 MPa/80 bar (1160 psi)