

Lionpak[®]

5202

Expanded graphite packing reinforced with Inconel[®] wire

Lionpak[®] 5202 is an economical packing made of expanded high purity 99% graphite fibre reinforced with a single Inconel[®] wire in each strand.

The packing is reinforced with Inconel[®] wire and is impregnated with James Walker's proprietary graphite-based dispersion to enhance sealability, and further treated with a corrosion inhibitor

Prime features

- Single wire reinforcement enhances the mechanical strength of the packing to resist continuous pressure.
- Graphite-based dispersion acts as a blocking agent.
- Corrosion inhibitor safeguards metallic interfaces from galvanic corrosion.
- Easy to cut, shape and install.
- Excellent chemical resistance.

Typical applications

Valves and autoclaves, but can also be used on slow speed rotary duties with rotary kilns. Suitable for use with superheated steam and saturated steam, hydrocarbons, petrochemicals, thermic fluids and hot oils.

Chemical properties

Compatible with media in the range pH 0-14, excluding strong oxidising agents.

How supplied

All popular square sections from 3 mm to 50 mm ($\frac{1}{8}$ " 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 \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	$\frac{5}{16}$	0.9	2
10.0	-	2.3	5
11.0	$\frac{7}{16}$	2.3	5
12.5	$\frac{1}{2}$	2.3	5
14.0	$\frac{9}{16}$	2.3	5
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: Inconel[®] is a registered trademark of Special Metals Corporation.



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:

30 MPa/300 bar (4351 psi)