Lionpak® 2504 is a combination, duplex-braided packing, comprising red fluoropolymer-based yarn and expanded PTFE intimately bonded with graphite yarn.

Prime features
- A dense packing with a high degree of resilience, incorporating a break-in lubricant.
- Both yarns are highly lubricated during manufacture; the red fluoropolymer-based yarn releases lubricant on inside diameter when packing is bent around the shaft.
- This lubrication system provides very smooth start-up for pumps, plus long service life with low friction properties to safeguard shafts and sleeves from wear.
- Graphite content aids heat dissipation to further extend the service life.

Chemical properties
Compatible with media in the range pH 3-14.

How supplied
All popular square sections from 4 mm to 50 mm (5/32” to 2”) in boxes containing 8 m (26’ 3”), or in coil form by the metre/foot or kilogram/pound. Also supplied as split preformed rings and sets.

Typical applications
Dynamic and static duties, including pumps, valves, mixers and reactors, across many industrial sectors. It is recommended for cooling water pumps and condensate extraction systems. Also suitable for use with demineralised water, raw water, hydrocarbons, paints, synthetic resins, emulsions, viscous slurries, and many other general industrial media.

VALVE STEM DUTIES
- Maximum Operating Temperature: +250°C (+482°F)
- Minimum Temperature: -100°C (-148°F)
- Maximum System Pressure: 25 MPa/250 bar (3626 psi)

CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT
- Maximum Operating Temperature: +250°C (+482°F)
- Minimum Temperature: -100°C (-148°F)
- Maximum Shaft Speed: 20 m/s (3937 fpm)
- Maximum System Pressure: 2 MPa/20 bar (290 psi)

RECIPROCATING PUMPS AND RAMS
- Maximum Operating Temperature: +250°C (+482°F)
- Minimum Temperature: -100°C (-148°F)
- Maximum Rod Speed: 2.0 m/s (394 fpm)
- Maximum System Pressure: 10 MPa/100 bar (1450 psi)
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.

Information given in this publication is given in good faith and represents the results of specific individual tests carried out by James Walker or third parties in accordance with the methodologies described in this publication, performed in a laboratory. No representation or warranty is given in relation to such information. Values and/or operating limits given in this publication are not an indication that these values and/or operating limits can be applied simultaneously. While such results may comprise useful additional information and are industry standard tests, they are no substitute for conducting (or procuring from James Walker) your own tests and engineering analysis and satisfying yourself as to the suitability of the product you select. Please also note that a product tested in accordance with the published methodology may not perform to such values in application and/or under different test conditions or methodologies for a variety of reasons, including but not limited to the environment in which it is used/tested or which passes through it or otherwise affects the product, or due to the handling, storage or installation, or due to the effect of housing or other parts. Our personnel will be happy to discuss any historical examples we have of a product having been previously used in a particular application.

To ensure you are working with the very latest product specifications, please consult the relevant section of the James Walker website: www.jameswalker.biz.

James Walker Sealing Products & Services Ltd
Registered Office: Lion House, Oriental Road, Woking, Surrey GU22 8AP, United Kingdom.
Reg no: 00264191 England

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