

PTFE-based

Duramid®**Tough packing for harsh conditions****Description**

A tough, high performance packing, cross-plaited from texturised aramid yarns. Each yarn is uniformly impregnated with PTFE dispersion and a silicone-based lubricant that resists chemical attack at high temperatures. Although Duramid® is based on aramid fibre rather than PTFE, its exceptional qualities justify inclusion in this section alongside its sister products, Fluograt® and Hornet.

Typical applications

Valves and pumps handling abrasive and aggressive media in pulp and paper mills,

petrochemical plants, power stations, metallurgical plants, sewage works and china clay works. Also suitable for potable water and foodstuffs, medium pressure steam, and hardening fluids such as tar and bitumen.

Specifications

- WRAS approved for use with hot and cold potable water up to 85°C.
- Meets Statutory Instrument 1987 Number 1523: *Materials and Articles in Contact with Food Regulations*, unless prolonged contact with an essentially static medium is involved.

Prime features

- Suitable for very wide range of media.
- Excellent abrasion resistance.
- Long service life with minimal shaft wear.
- Resilient and responsive in operation.

Chemical properties

Compatible with media in the range pH 2-13, including water, oils, solvents, medium strength acids and alkalis.

Service capabilities**Valve stem duties**

Maximum temperature	+250°C
Minimum temperature	-50°C
Max system pressure	150bar

Centrifugal pumps & rotary equipment

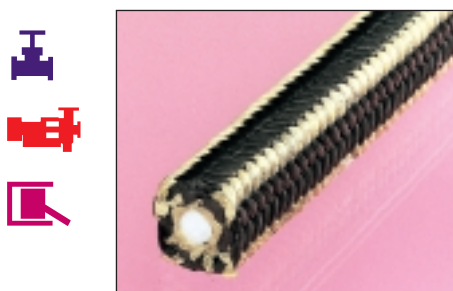
Operating temperatures	As valve stem
Maximum shaft speed	20m/s (refer to James Walker for higher speed duties)
Max system pressure	25bar

Reciprocating pumps & rams

Operating temperatures	As valve stem
Maximum rod speed	1.5m/s
Max system pressure	150bar

How supplied

Ex-stock: all popular square sections from 3mm to 25mm, boxed in 8m lengths. Also supplied as split preformed rings and sets. Full fitting instructions are included.

Hornet**For slurries and abrasive media****Description**

A high performance packing that absorbs the eccentric action of worn shafts and bearings. It has a central core of temperature resistant elastomer. The square sectioned packing is cross-plaited with tough aramid fibres at the corners to resist abrasion and wear. PTFE/graphite yarn at the centre of each side dissipates heat and presents a low friction face to the shaft.

Typical applications

Valves and pumps handling highly

abrasive slurries in pulp and paper mills, sugar refineries, petrochemical plants, sewage works, metallurgical plants and china clay works. Also suitable for potable water, foodstuffs and steam.

Specifications

- WRAS approved for use with hot and cold potable water up to 85°C.
- Meets Statutory Instrument 1987 Number 1523: *Materials and Articles in Contact with Food Regulations*, unless prolonged contact with an essentially static medium is involved.

Prime features

- Excellent abrasion resistance.
- Superior compression and recovery characteristics with out-of-true shafts.
- Excellent extrusion resistance.
- Low shaft wear.

Chemical properties

Compatible with media in the range pH 2-13, including water, fuels, oils, solvents, waxes, and mild acids and alkalis.

Service capabilities**Valve stem duties**

Maximum temperature	+260°C
Minimum temperature	-50°C
Max system pressure	250bar

Centrifugal pumps & rotary equipment

Operating temperatures	As valve stem
Maximum shaft speed	20m/s
Max system pressure	20bar

Reciprocating pumps & rams

Operating temperatures	As valve stem
Maximum rod speed	2m/s
Max system pressure	100bar

How supplied

Ex-stock: all popular square sections from 6.5mm to 25mm, boxed in 8m lengths. Also supplied as split preformed rings and sets. Full fitting instructions are included.