



# Vulcan Seals Type VP1

## Technical Data Sheet



### Product Description

**Vulcan Seals Type VP1** is 100% GORE® fibre packing. This remarkable yarn is constructed from PTFE and Graphite intimately blended and locked and then treated with a high-temperature, break-in lubricant. The **Vulcan Seals Type VP1** is an outstanding packing for use in aggressive or arduous duties including the most difficult chemical environments. It is essentially chemically inert over the entire pH range.

The unique combination of locked Graphite and PTFE creates a yarn with very high thermal conductivity, that does not harden, shrink, swell, or dry out and is exceptionally smooth running with negligible shaft wear. User experience with G1 fibre has shown that, in practically all cases, greatly extended service life can be expected.

In order to obtain maximum benefit from this fibre, **Vulcan Seals Type VP1** is square inter-braided via a CROSS-LOCK® process. The construction of **Vulcan Seals Type VP1** increases the durability of the packing and reduces the gland pressure required to perform a seal. Periods between gland maintenance and packing replacement are even further extended and

**\*\*Vulcan Seals Type VP1 \*\*CROSSLOCK® braiding helps overcome extrusion problems, which can be the one negative of this fibre, particularly in lower-quality braids.**

### Why Choose the Vulcan Seals Type VP1?

- Chemically inert over the entire pH range
- High thermal conductivity
- Increase service life whilst minimising wear and gland adjustments

### Suitable Applications

For use wherever the value of the best quality and material packing can be realised. Since the actual purchase cost of packing is typically only 3% of the true utilisation cost, Vulcan Seals recommends this PTFE Graphite packing for all possible applications. It will increase service life whilst minimising wear and gland adjustments, against nearly all media in static, rotary and reciprocating uses.

### Operating Limits

Pressure Rating	Rotary Speed	Temperature	pH Range
120 bar	25 M/S	-200°C to +280°C	0 - 14

### Gland Packing Replacement Range

The Vulcan Seals Type VP1 is a dimensional replacement for the following gland packing ranges:

- American Branding® | 8000T
  - Burgmann® | 6230
  - Chemstar® | 165
  - James Walker® | 193
  - I.M.P.® | 25
  - Latty® | 4308
  - Palmetto® | 1389
  - Robco® | 1140
  - Texpack® | 4151
  - Universal® | 7120 E
- Apollo® | 3300
  - Burgmann® | Thermoflon
  - Flexitalic® | 702
  - James Walker® | Fluograph
  - Klinger® | 49
  - Merkel® | Unival
  - Palmetto® | VA1389
  - Sepco® | ML 4002
  - Teadit® | 16
  - Utex® | 210
- Burgmann® | 3369
  - Burgmann® | 3435
  - Flexitalic® | 1065
  - Garlock® | 5100
  - Latty® | 4207
  - Merkel® | 6323
  - Pillar® | 6118
  - Texpack® | 4141
  - Tombo® | 9038

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