

Our Graphite Packing Style 5000 is a versatile style of graphite pump and valve packing. This style is made using high purity graphite yarns that are plait braided to form a tough, durable gland packing material.

Since it is made with pure graphite, Style 5000 is self-lubricating and generates very low rates of friction even at high speeds. It is able to handle shaft speeds up to 20 MPS (4,000 FPM). It's pressure rating varies depending on whether it is installed in a pump or valve. In pumps, it is rated to 207 BAR while in valves this number is 34 BAR.



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One of the main benefits associated with this high-quality graphite packing is its' virtually leak free sealing performance. It achieves this by forming a homogenous mass under gland pressure. This results in maximum sealability and a reduction in flush water usage.

Being made from pure graphite, Style 5000 has excellent heat dissipation properties. It also has very good temperature resistance and has excellent chemical resistance as it withstands media across the entire 0-14 pH scale.

Technical Details

Property	Value
Service Type	Pumps and Valves
Base Fibre	Expanded Flexible Graphite
Construction	Plait Braid
pH Range	0-14
Shaft Speed Rating	20 MPS
Pressure Rating	207 BAR in Valves
	34 BAR in Pumps
Temperature Rating	455°C in Air
	649°C in Steam
	3315°C in Non-Oxidising Atmosphere

Specific Chemical Resistance

Strong acids and alkalis, Steam, Air (dry industrial), Ammonia gas, Water, Salt water/brine, petroleum & synthetic oils, aliphatic and aromatic solvents.

Available Sizes, Forms and Styles

Graphite Packing Style 5000 is available (by the metre) in the following sizes:

- 3.2mm²
- 4.8mm²
- 6.4mm²
- 8mm²
- 9.5mm²
- 12.7mm²
- 16mm²
- 19mm²
- 22mm²
- 25mm²

Custom sizes, lengths and request

We're always happy to help with special requirements. Options includes special sizes, preformed packing rings and specially cut lengths. For more information please do reach out to us. We'll do our very best to help in any way we can.

Important

The values listed here and the information presented should not be treated as a substitute for specific technical advice. We cannot warrant the products performance or suitability for particular applications.

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