GLAND PACKINGS

Carbon Fiber Packing

Carbon Fiber Packing is braided from high-purity carbon yarn, offering excellent thermal stability, strength and self-lubrication with very low shaft wear. It is a strong choice where PTFE would be too soft and graphite too conductive.

It handles temperatures up to around 600°C across the full pH 0–14 range (except strong oxidisers) and shaft speeds to about 20 m/s, making it ideal for hot, high-speed pump and valve duty.

KEY FEATURES

- ✓ Braided from high-purity carbon fibre yarn
- ✓ Rated to around 600°C — higher than PTFE or ordinary fibre packings
- ✓ Excellent thermal stability and self-lubrication
- ✓ Handles shaft speeds up to 20 m/s with minimal wear
- ✓ Resists the full pH 0–14 range except strong oxidisers

SPECIFICATIONS

Material	Carbon fibre yarn
Max Temperature	600°C
pH Range	0 – 14 (except strong oxidisers)
Max Shaft Speed	20 m/s
Cross-sections	3 mm to 25 mm square
Form	Continuous coil, cut to length

APPLICATIONS

High-temperature pumps · Boiler & steam valves · High-speed rotating shafts · Chemical & solvent media · Power & process plant

INDUSTRIES SERVED

Power Plants · Chemical Plants · Oil & Gas · Steel Mills · Sugar Mills

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Specifications are typical for this product grade. Please confirm exact figures with us before final specification.