GLAND PACKINGS

Graphite Gland Packing

Graphite Gland Packing is braided from flexible (expanded) graphite yarn, giving self-lubrication, high thermal conductivity and near-universal chemical resistance. It seals valve stems and pump shafts with very low friction and minimal shaft wear.

It suits high-temperature service — around 450°C on rotating equipment and up to roughly 650°C on valves and steam duty — across the full pH 0–14 range and shaft speeds up to about 40 m/s.

KEY FEATURES

- ✓ Braided from flexible (expanded) graphite yarn — self-lubricating
- ✓ Rated to 450°C on rotating equipment, up to 650°C on valves and steam
- ✓ Chemically inert across the full pH 0–14 range
- ✓ High thermal conductivity draws heat away from the shaft
- ✓ Handles shaft speeds up to 40 m/s

SPECIFICATIONS

Material	Flexible (expanded) graphite yarn
Max Temperature	450°C (up to 650°C on valves/steam)
pH Range	0 – 14
Max Shaft Speed	40 m/s
Cross-sections	3 mm to 25 mm square
Form	Continuous coil, cut to length

APPLICATIONS

High-temperature valve stems · Boiler feed & steam service · Hot-water & condensate pumps · Refinery & chemical media · Power-plant rotating equipment

INDUSTRIES SERVED

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

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