



Product Description

G58 and G58I are high-purity, high-strength interlace braided flexible graphite packings designed to handle a wide range of fluids. These packings feature superior chemical compatibility. They have self-lubricating and heat-dissipating properties, making them ideal for use where fast break-in and reduced shaft/sleeve wear are concerns.

These unique packings have proven to be excellent for leakage control, while being resilient and dimensionally stable, leading to longer packing life. They are highly recommended for steam valve service and process applications.

Construction/Features

G58 - This packing is manufactured from high-purity flexible graphite yarn that is reinforced with a high-strength, high-temperature, nonscoring filament. The yarn is tightly braided and squared to provide resiliency and stuffing box conformity.

G58I - This packing incorporates the same yarn as G58 with the addition of a high-strength, high-temperature wire mesh encapsulating the yarn. The wire mesh provides additional tensile strength and extrusion resistance.

It is available in an optional Z configuration. This design incorporates John Crane's graphite dispersion with the addition of a sacrificial corrosion inhibitor. This configuration has superior sealing capabilities and void infiltration, and is an excellent process and steam valve packing for low to high pressure applications up to 650°C/1200°F*.

*For higher temperatures, contact a John Crane.

Performance Capabilities

- Temperature: oxidizing: -240°C to 455°C/-400°F to 850°F
nonoxidizing: -240°C to 2500°C/-400°F to 4500°F
functional steam: up to 650°C/1200°F
- Pressure: pump, G58 up to 20 bar/300 psi
valve up to 296 bar/4300 psi
- Speed: up to 20 m/s/4000 fpm**
- pH range: 0 to 14 (nonbuffered solutions)

**For high-speed applications, contact John Crane.

Industries Served

- Chemical processing
- Mining
- Municipal
- Oil and refinery
- Petrochemical processing
- Power generation
- Pulp and paper
- Steel/metals

Applications

G58 and G58I are recommended for a wide range of fluids, including most acids (except strong oxidizers), caustics, solvents, high-temperature steam, gases, hydrocarbons, pulp, paper stock, and water.

For valve service, these packings can be supplied as die-formed rings for high-volume assembly. They can also be supplied in spool form, simplifying valve repacking, since they can be cut to a specific size.

G58 is an excellent choice for rotating equipment including centrifugal and positive displacement pumps in process applications. Other applications include exhaust seals, pulpers, digesters, mixers, agitators, dryers, and blowers.

Standard Sizes

G58 and G58I are available in standard cross-section sizes from 1/8" to 1" in 1/8" increments. As Rite-Pak™ spools, these standard sizes are available for immediate shipment. Metric and larger sizes are available upon request.

Packing can be die-formed to exact dimensions for ease of installation and enhanced performance.

Note: For additional application or product information, contact John Crane.



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