



### Product Description

John Crane C1065 Chemlon Graphite Fiber (CGF) and C1070 combine the chemical-resistant and low-friction generation characteristics of continuous PTFE filament yarns with the superior heat dissipation and self-lubricating properties of graphite.

An excellent choice for chemical resistance, these non-abrasive packings provide excellent conformability, adjustability, and flexibility. They are a superior, low-maintenance choice where minimum field adjustment and fast break-in and start-up are necessary.

These packings are ideal for controlled leakage and extrusion resistance at high pressures and shaft speeds. When used as a multipurpose packing, inventory costs are greatly reduced. These packings are highly recommended for rotating equipment.

### Construction/Features

**C1065 CGF** - This packing features John Crane Chemlon graphite fiber, an expanded PTFE filament yarn that encapsulates graphite particles. The process locks the particles into the PTFE yarn and enhances heat dissipation over the life of the packing, while providing maximum corrosion resistance. A lubricant is applied to the yarn for enhanced start-up performance. C1065 CGF is considered a "clean" graphite packing.

**C1070** - Individual continuous filament yarns are impregnated with a high-purity graphite and high-temperature lubricant. The graphite and lubricant assist with break-in, reduce friction, and dissipate heat throughout the stuffing box.

### Performance Capabilities

- Temperature: oxidizing: -212°C to 260°C/-350°F to 500°F
- Pressure: pump, up to 20 bar/300 psi  
valve: up to 275 bar/4000 psi
- Speed: C1065 CGF: up to 22m/s/4300fpm  
C1070: up to 25m/s/3000fpm
- pH range: 0 to 14

### Industries Served

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



# C1065 CGF/C1070

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## BRAIDED GRAPHITE PTFE PACKING

Technical Specification

### Applications

C1065 CGF and C1070 cover a wide range of fluids, including most acids, caustics, solvents, gases, oils, hydrocarbons, pulp, and stock. They can be found in centrifugal, process, vertical turbine, positive displacement, and reciprocating pumps, as well as in agitators, mixers, pulpers, digesters, and valve stems.

### Standard Sizes

C1065 CGF and C1070 are available in standard cross-section sizes from 1/8" to 1" in 1/8" increments. Standard size Rite-Pak™ spools 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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If the products featured will be used in a potentially dangerous and/or hazardous process, your John Crane representative should be consulted prior to their selection and use. In the interest of continuous development, John Crane Companies reserve the right to alter designs and specifications without prior notice. It is dangerous to smoke while handling products made from PTFE. Old and new PTFE products must not be incinerated. ISO 9001 and ISO14001 Certified, details available on request.