



# Rite@Pak®

## Packing

## Quick Select

## Guide



### General Service:

Non-abrasives, water, oil, mild acids & alkalis. Mid-range pH.

**Operating Temperature:** up to 500°F / 260°C

**Style Selections:** 1335, 1340



### Abrasive Service:

Abrasives (wet or dry), waste water, salt water, acids, mid-range caustics.

**Operating Temperature:** up to 500°F / 260°C

**Style Selections:** 1345, C1064, K1730



### Chemical Service:

PTFE based packings, dry or lubricated. pH 0 to 14.

**Operating Temperature:** up to 550°F / 288°C

**Style Selections:** C1045, C1050, C1065, C1070

### Food Service:

FDA compliant PTFE. pH 0 to 14.

**Operating Temperature:** up to 500°F / 260°C

**Style Selections:** C1056



### High Temperature Chemical Service:

Chemical resistant carbon and graphite packings. pH 0 to 14.

**Operating Temperature:** up to 1200°F / 650°C

**Style Selections:** 1625G, 1627, G57, G58

## High Temperature & Pressure Service:

Babbitt and aluminum foil packings for high pressure. pH 4 to 10.

**Operating Temperature:** up to 1000°F / 538°C

**Style Selections:** 100AL, 100M

## Valve Service:

Steam, high pressure, emission control or general service.

**Operating Temperature:** from ambient to 5432°F / 2970°C

**Style Selections:** 387I, G58I, Crane-foil™, C1051VS

## Lubrication Components:

Virgin PTFE lantern ring strip stock, various cross sections, 4 ft. lengths. pH 0 to 14.

**Operating Temperature:** up to 500°F / 260°C

**Style Selections:** TFE Lantern Ring Strip

## Universal Gasketing:

Expanded virgin PTFE multi-purpose gasket tape. pH 0 to 14.

**Operating Temperature:** up to 550°F / 288°C

**Style Selections:** C1051 Joint Sealant

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## RitePak Packing Standard Packaging (in inch sizes)

Styles: 1335, 1340, 1345, 1627, C1045, C1050, C1056, C1064, C1065, C1070, G57, G58, K1730.

Valve Service - 387I, G58I

Size	1/8		3/16		1/4		5/16		3/8		7/16		1/2		9/16		5/8		3/4		7/8		1	
Box Type	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	C	C	C	C	C	C	C	C	C
Ft/Box	100	500	45	225	25	125	18	90	12	60	10	50	7	35	50	40	25	20	16	16	16	16	16	16

All sizes also available in 25 & 50 pounds reels. Styles 1345, C1064 and G57 are not available in 1/8"

Style 1625G

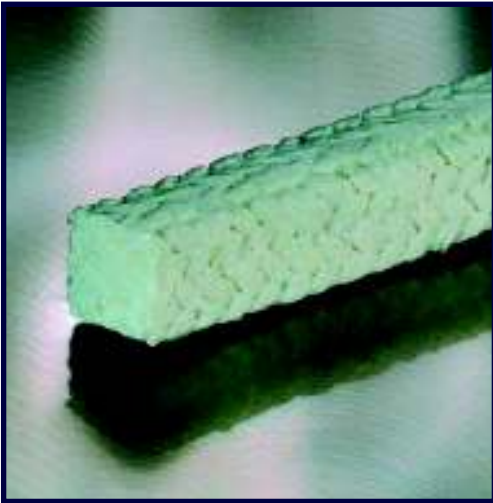
Size	1/8		3/16		1/4		5/16		3/8		7/16		1/2		9/16		5/8		3/4		7/8		1	
Box Type	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	C	C	C	C	C	C	C	C	C
Ft/Box	100	500	45	225	25	125	18	90	12	60	10	50	7	35	25	25	25	25	25	25	20	16	16	16

All sizes also available in 25 & 50 pounds reels

Styles: 100M\*, 100AL

Size	1/8		3/16		1/4		5/16		3/8		7/16		1/2		9/16		5/8		3/4		7/8		1	
Box Type	S		S		S		S		S		S		S		S		S		S		S		S	
Ft/Box	42	40	40	40	40	40	18	18	18	18	18	18	18	18	18	18	16	12	12	12	12	12	12	

\*Not available in 1/8, 3/16, 7/8, 1"



**STYLE 1335**

**Temperature:**  
-170°F / -110°C  
to 500°F / 260°C

**pH Range:**  
2 to 12

**Speed:**  
2250 fpm / 11m/s

**Pressure:**  
Pump: 300 psi / 20 bar  
Valve: 1000 psi / 68 bar

**Material:** synthetic fiber, PTFE,  
lubricating oil

**Construction:** lattice braid

**Application Media:** non-abrasives,  
water, mild acids & caustics, gases,  
oils, steam, solvents

**Equipment:** rotating & reciprocating  
equipment, valves, expansion joints

**Industry Served:** General Industry,  
Agriculture, Marine, Pulp & Paper,  
Power Generation, Oil & Gas,  
Municipal / Wastewater



**STYLE 1340**

**Temperature:**  
-170°F / -110°C  
to 500°F / 260°C

**pH Range:**  
4 to 10

**Speed:**  
2000 fpm / 10 m/s

**Pressure:**  
Pump: 300 psi / 20 bar  
Valve: 1000 psi / 68 bar

**Material:** synthetic fiber,  
petrolatum, graphite

**Construction:** lattice braid

**Application Media:** non-abrasives,  
water, mild acids & caustics, gases,  
oils, steam

**Equipment:** rotating & reciprocating  
equipment, valves

**Industry Served:** General Industry,  
Agriculture, Marine, Oil & Gas,  
Power Generation, Municipal /  
Wastewater



**STYLE 1345**

**Temperature:**  
-170°F / -110°C  
to 550°F / 288°C

**pH Range:**  
0 to 12

**Speed:**  
2500 fpm / 13m/s

**Pressure:**  
Pump: 500 psi / 34 bar  
Valve: 4000 psi / 275 bar

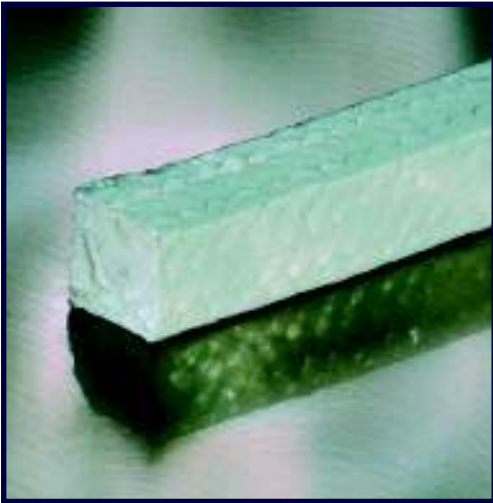
**Material:** polyimide, PTFE,  
lubricating oil

**Construction:** lattice braid

**Application Media:** abrasives, water,  
acids & medium caustics, gases, oils,  
steam, solvents, waste water, slurries,  
paper stock, liquors, asphalt, fly ash,  
condensate

**Equipment:** rotating & reciprocating  
equipment, valves

**Industry Served:** Pulp & Paper,  
Municipal / Wastewater, Marine,  
Chemical & Pharmaceutical, Mining  
& Minerals, Oil & Gas, Steel &  
Metals, Power Generation



## STYLE C1045

**Temperature:**  
-450°F / -268°C  
to 500°F / 260°C

**pH Range:**  
0 to 14

**Speed:**  
1000 fpm / 5 m/s

**Pressure:**  
Pump: 300 psi / 20 bar  
Valve: 5000 psi / 245 bar

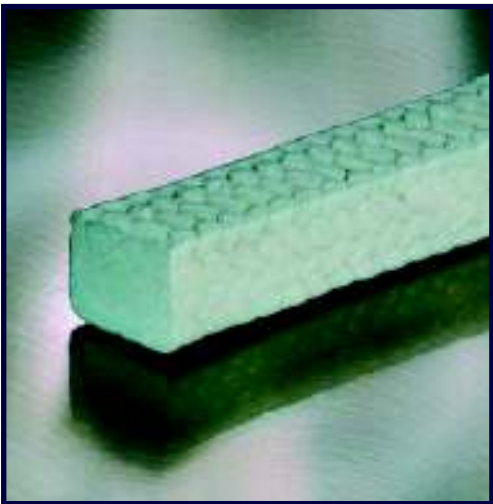
**Material:** PTFE filament, PTFE dispersion

**Construction:** lattice braid

**Application Media:** chemicals, solvents, corrosives, gases, water, steam, ammonia, air, oils, paper stock, liquor

**Equipment:** rotating & reciprocating equipment, valves, expansion joints

**Industry Served:** Chemical & Pharmaceutical, Pulp & Paper, General Industry



## STYLE C1050

**Temperature:**  
-450°F / -268°C  
to 500°F / 260°C

**pH Range:**  
0 to 14

**Speed:**  
2000 fpm / 10 m/s

**Pressure:**  
Pump: 300 psi / 20 bar  
Valve: 4000 psi / 275 bar

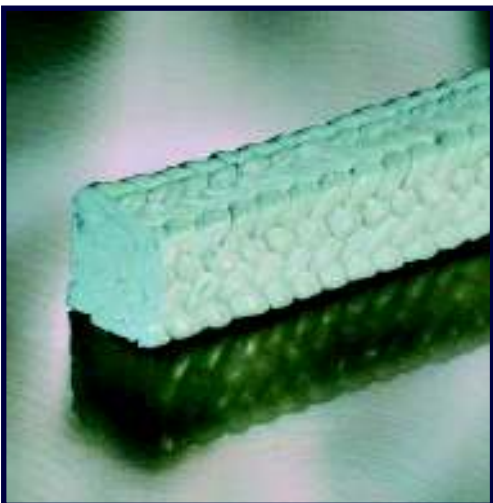
**Material:** PTFE filament, PTFE dispersion, lubricating oil

**Construction:** lattice braid

**Application Media:** chemicals, solvents, corrosives, gases, water, steam, ammonia, air, oils, paper stock, liquor

**Equipment:** rotating & reciprocating equipment, valves, expansion joints

**Industry Served:** Chemical & Pharmaceutical, Pulp & Paper, General Industry



## STYLE C1056

**Temperature:**  
-450°F / -268°C  
to 500°F / 260°C

**pH Range:**  
0 to 14

**Speed:**  
2000 fpm / 10 m/s

**Pressure:**  
Pump: 300 psi / 20 bar  
Valve: 2500 psi / 170 bar

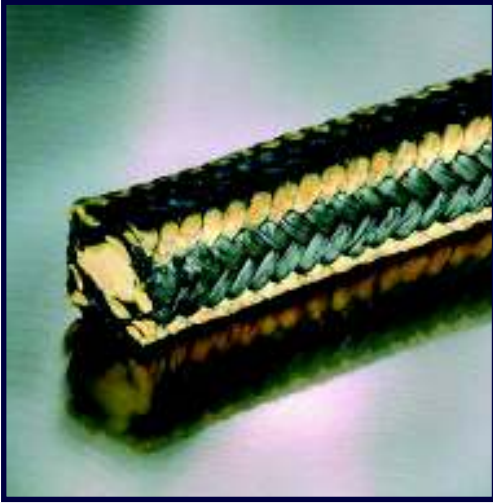
**Material:** FDA compliant PTFE filament, lubricating oil

**Construction:** lattice braid

**Application Media:** food, chemicals, solvents, corrosives, gases, water, steam, oils

**Equipment:** rotating & reciprocating equipment, valves

**Industry Served:** Food & Beverage, Chemical & Pharmaceutical



**STYLE C1064**

**Temperature:**  
-350°F / -212°C  
to 550°F / 288°C

**pH Range:**  
2 to 12

**Speed:**  
2500 fpm / 12.5 m/s

**Pressure:**  
Pump: 500 psi / 34 bar

**Material:** expanded PTFE w/graphite,  
Aramid, lubricating oil

**Construction:** lattice braid

**Application Media:** abrasives, water,  
medium acids & medium caustics,  
oils, steam, solvents, waste water,  
slurries, paper stock, liquors,  
asphalt, fly ash, condensate

**Equipment:** rotating & reciprocating  
equipment

**Industry Served:** Pulp & Paper,  
Municipal / Wastewater, Oil & Gas,  
Chemical & Pharmaceutical, Mining  
& Minerals, Steel & Metals, Power  
Generation



**STYLE C1065**

**Temperature:**  
-350°F / -212°C  
to 550°F / 288°C

**pH Range:**  
0 to 14

**Speed:**  
4300 fpm / 22 m/s

**Pressure:**  
Pump: 300 psi / 20 bar  
Valve: 4000 psi / 275 bar

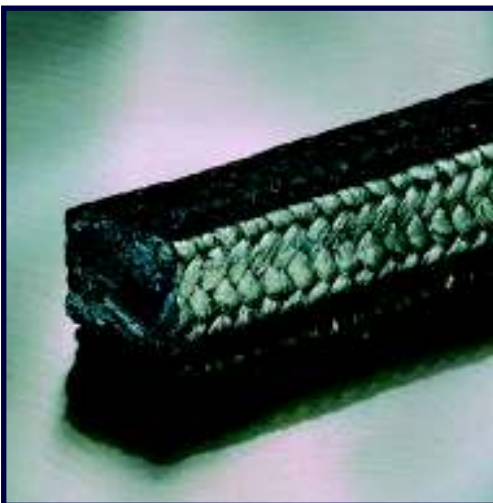
**Material:** expanded PTFE w/graphite,  
lubricating oil

**Construction:** lattice braid

**Application Media:** chemicals,  
solvents, corrosives, gases, water,  
steam, ammonia, air, oils, paper  
stock, liquor, condensate

**Equipment:** rotating & reciprocating  
equipment, valves, expansion joints

**Industry Served:** Chemical &  
Pharmaceutical, Pulp & Paper, Oil &  
Gas, General Industry, Agriculture,  
Steel & Metals, Marine, Power  
Generation, Municipal / Wastewater



**STYLE C1070**

**Temperature:**  
-350°F / -212°C  
to 550°F / 288°C

**pH Range:**  
0 to 14

**Speed:**  
3000 fpm / 15 m/s

**Pressure:**  
Pump: 300 psi / 20 bar  
Valve: 4000 psi / 275 bar

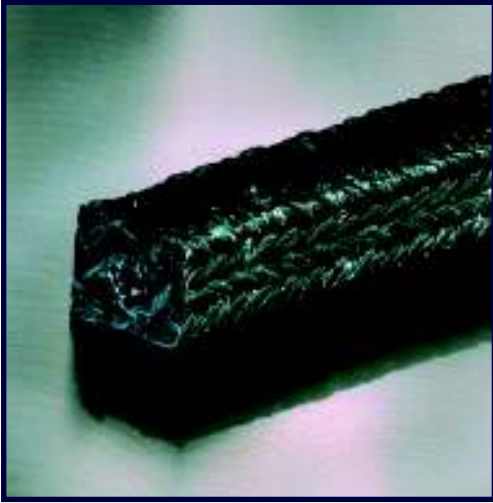
**Material:** PTFE filament w/graphite,  
lubricating oil

**Construction:** lattice braid

**Application Media:** chemicals,  
solvents, corrosives, gases, water,  
steam, ammonia, air, oils, paper  
stock, liquor, condensate

**Equipment:** rotating & reciprocating  
equipment, valves, expansion joints

**Industry Served:** Chemical &  
Pharmaceutical, Pulp & Paper, Oil &  
Gas, General Industry, Agriculture,  
Steel & Metals, Marine, Power  
Generation, Municipal / Wastewater



**STYLE 1625G**

**Temperature:**  
In Atmosphere:  
-300°F / -185°C to  
850°F / 455°C  
In Steam: up to  
1200°F / 650°C  
**pH Range:**  
0 to 14  
**Speed:**  
4000 fpm / 20 m/s  
**Pressure:**  
Pump: 500 psi / 34 bar  
Valve: 2500 psi / 170 bar

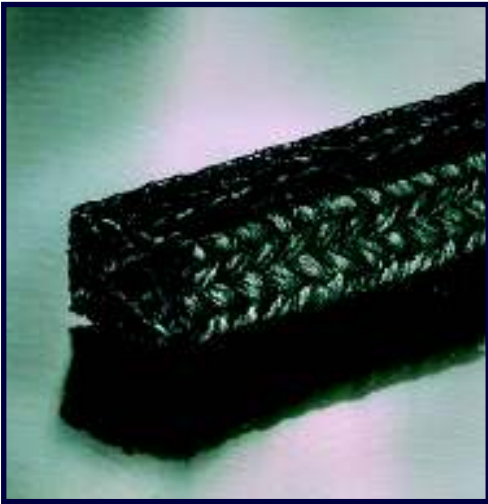
**Material:** graphite filament,  
light PTFE

**Construction:** lattice braid

**Application Media:** chemicals,  
solvents, corrosives, gases, water,  
steam, ammonia, air, oils, paper  
stock, liquor, condensate, boiler  
feed water

**Equipment:** rotating & reciprocating  
equipment, valves, soot blowers,  
expansion joints

**Industry Served:** Chemical &  
Pharmaceutical, Power Generation,  
Oil & Gas, Pulp & Paper, Municipal /  
Wastewater, Mining & Minerals, Steel  
& Metals



**STYLE 1627**

**Temperature:**  
In Atmosphere:  
-300°F / -185° to  
850°F / 455°C  
In Steam: up to  
1200°F / 650°C  
**pH Range:**  
0 to 14  
**Speed:**  
4000 fpm / 20 m/s  
**Pressure:**  
Pump: 500 psi / 34 bar  
Valve: 2500 psi / 170 bar

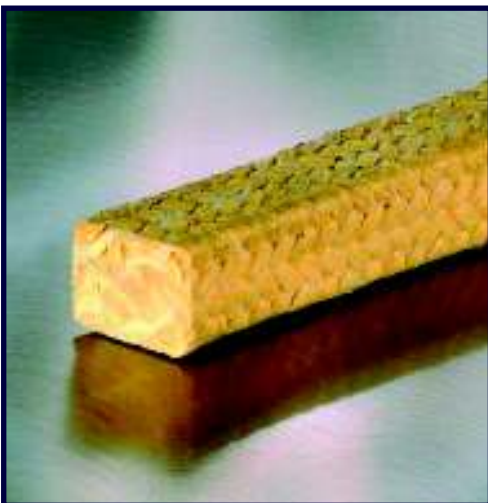
**Material:** carbon filament,  
colloidal graphite

**Construction:** lattice braid

**Application Media:** chemicals,  
solvents, corrosives, gases, water,  
steam, ammonia, air, oils, paperstock,  
liquor, condensate, boiler feed water

**Equipment:** rotating & reciprocating  
equipment, valves, soot blowers,  
expansion joints

**Industry Served:** Chemical &  
Pharmaceutical, Power Generation,  
Oil & Gas, Pulp & Paper, Municipal /  
Wastewater, Mining & Minerals, Steel  
& Metals



**STYLE K1730**

**Temperature:**  
-400°F / -240°C  
to 500°F / 260°C  
**pH Range:**  
2 to 12  
**Speed:**  
2000 fpm / 10m/s  
w/excursions to  
2500 fpm / 13m/s  
**Pressure:**  
Pump: 500 psi / 34 bar

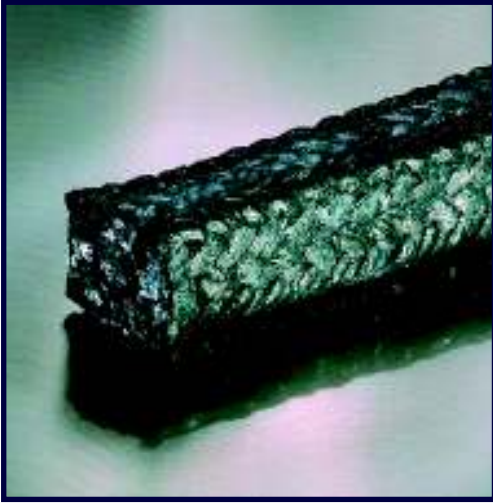
**Material:** Aramid, PTFE, lubricating oil

**Construction:** lattice braid

**Application Media:** abrasives, water,  
medium acids & medium caustics,  
oils, steam, solvents, waste water,  
slurries, paper stock, liquors, asphalt,  
fly ash, condensate

**Equipment:** rotating & reciprocating  
equipment

**Industry Served:** Pulp & Paper,  
Municipal / Wastewater, Oil & Gas,  
Chemical & Pharmaceutical, Mining  
& Minerals, Steel & Metals, Power  
Generation



**STYLE G57**

**Temperature:**  
In Atmosphere:  
-400°F / -240°C to  
850°F / 455°C  
In Steam: up to  
1200°F / 650°C

**pH Range:**  
0 to 14

**Speed:**  
4500 fpm / 23 m/s

**Pressure:**  
Pump: 500 psi / 34 bar  
Valve: 4300 psi / 296 bar

**Material:** flexible graphite, carbon filament, colloidal graphite

**Construction:** lattice braid

**Application Media:** chemicals, solvents, corrosives, gases, water, steam, ammonia, air, oils, paper stock, liquor, condensate, boiler feed water

**Equipment:** rotating & reciprocating equipment, valves, soot blowers, expansion joints

**Industry Served:** Chemical & Pharmaceutical, Power Generation, Oil & Gas, Pulp & Paper, Municipal / Wastewater, Mining & Minerals, Steel & Metals, General Industry



**STYLE G58**

**Temperature:**  
In Atmosphere:  
-400°F / -240°C to  
850°F / 455°C  
In Steam: up to  
1200°F / 650°C

**pH Range:**  
0 to 14

**Speed:**  
4000 fpm / 20 m/s

**Pressure:**  
Pump: 400 psi / 27.5 bar  
Valve: 4300 psi / 296 bar

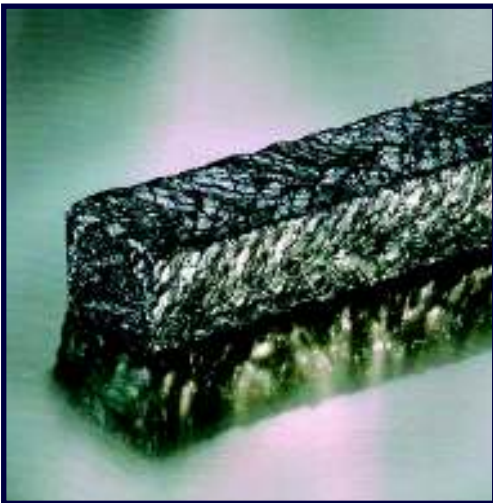
**Material:** flexible graphite

**Construction:** lattice braid

**Application Media:** chemicals, solvents, corrosives, gases, water, steam, ammonia, air, oils, paper stock, liquor, condensate, boiler feed water

**Equipment:** rotating & reciprocating equipment, valves, soot blowers, expansion joints

**Industry Served:** Chemical & Pharmaceutical, Power Generation, Oil & Gas, Pulp & Paper, Municipal / Wastewater, Mining & Minerals, Steel & Metals, General Industry



**STYLE G58I**

**Temperature:**  
In Atmosphere:  
-400°F / -240°C to  
850°F / 455°C  
In Steam: up to  
1200°F / 650°C

**pH Range:**  
0 to 14

**Speed:**  
not recommended  
for rotary service

**Pressure:**  
Valve: 4300 psi / 296 bar

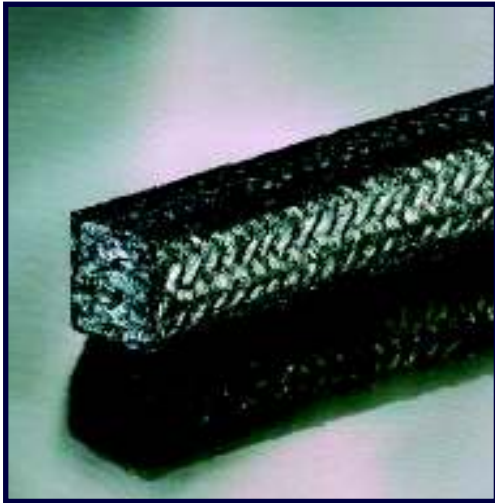
**Material:** flexible graphite, Inconel wire

**Construction:** lattice braid

**Application Media:** chemicals, solvents, corrosives, gases, water, steam, ammonia, air, oils

**Equipment:** valves

**Industry Served:** Power Generation, Steel & Metals, Pulp & Paper, General Industry, Marine, Mining & Minerals, Oil & Gas, Chemical & Pharmaceutical



**STYLE 387I**

**Temperature:**  
In Steam: up to  
1200°F / 650°C

**pH Range:**  
2 to 12

**Speed:**  
not recommended  
for rotary service

**Pressure:**  
Valve: 4300 psi / 296 bar

**Material:** fiberglass, Inconel wire, colloidal graphite

**Construction:** round braid over extruded core

**Application Media:** steam

**Equipment:** valves

**Industry Served:** Power Generation, Steel & Metals, Pulp & Paper, General Industry, Marine, Mining & Minerals, Oil & Gas, Chemical & Pharmaceutical



**STYLE 100AL**

**Temperature:**  
up to 1000°F / 538°C

**pH Range:**  
4 to 10

**Speed:**  
1800 fpm\* / 9 m/s  
\*Recommended  
shaft/sleeve hardness 500  
Brinell/60 Rockwell "C"

**Pressure:**  
Pump: 1000 psi / 68 bar  
Valve: 2500 psi / 170 bar

**Material:** aluminum foil, fiberglass, graphite, oil

**Construction:** spiral wrapped

**Application Media:** water, steam, mild acids & caustics, gases, oils (for HF acid service use Style 124 all aluminum packing. Contact local John Crane representative.)

**Equipment:** rotating & reciprocating equipment

**Industry Served:** Power Generation, Oil & Gas, Chemical & Pharmaceutical



**STYLE 100M**

**Temperature:**  
up to 450°F / 233°C

**pH Range:**  
4 to 10

**Speed:**  
3600 fpm / 18 m/s

**Pressure:**  
Pump: 1000 psi / 68 bar

**Material:** Babbitt foil, Neoprene, graphite, oil

**Construction:** spiral wrapped

**Application Media:** water, steam, boiler feed water, mild acids & caustics, gases, oils

**Equipment:** rotating & reciprocating equipment, expansion joints, still necks

**Industry Served:** Power Generation, Oil & Gas



## STYLE C1051

**Temperature:**  
-400°F / -240°C  
to 550°F / 288°C

**pH Range:**  
0 to 14

**Speed:** not applicable

**Pressure:**  
vacuum to  
3000 psi / 206 bar

**Available Cross Sections:**  
in inches - 1/8, 3/16, 1/4,  
3/8, 1/2, 5/8, 3/4, 7/8, 1  
Various Lengths

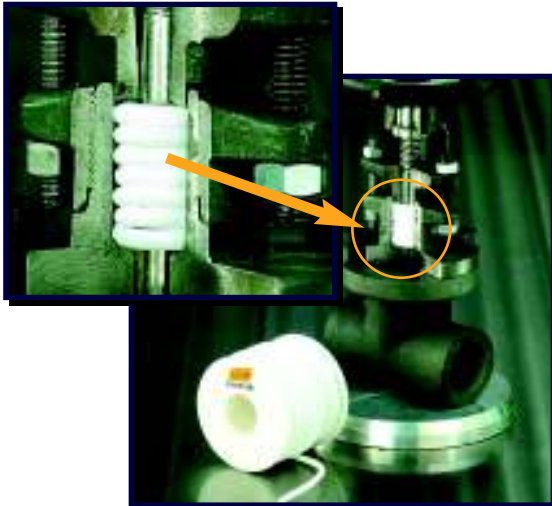
**Material:** 100% expanded virgin PTFE

**Construction:** extruded w/adhesive  
tape back strip

**Application Media:** chemicals,  
solvents, corrosives, gases, water,  
steam, ammonia, air, oils, paper stock,  
liquor, condensate, boiler feed water

**Equipment:** metal, plastic & glass lined  
flanges, pump casings, gear boxes, con-  
tainers & lids, vessels & traps, hydraulics  
& pneumatic systems, water supply sys-  
tems, handholes / manholes, ducts, heat  
exchangers, irregular services, etc.

**Industry Served:** General Industry,  
Agriculture, Marine, Pulp & Paper,  
Power Generation, Oil & Gas, Municipal /  
Wastewater, Chemical & Pharmaceutical,  
Food & Beverage, Mining & Minerals,  
Steel & Metals



## STYLE C1051VS

**Temperature:**  
-400°F / -240°C  
to 550°F / 288°C

**pH Range:**  
0 to 14

**Speed:**  
150 fpm / 0.75 m/s

**Pressure:**  
Valve: 500 psi / 34 bar

**Available Diameters:**  
in inches - 1/16, 3/32,  
1/8, 5/32, 3/16,  
7/32, 1/4, 9/32, 5/16,  
11/32, 3/8, 1/2

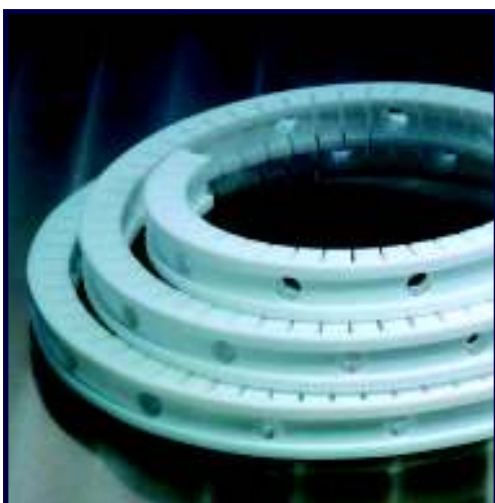
**Material:** 100% virgin PTFE

**Construction:** extruded round

**Application Media:** chemicals,  
solvents, corrosives, gases, water,  
steam, ammonia, air, oils, paper  
stock, liquor, condensate, boiler  
feed water

**Equipment:** faucet stems & valves

**Industry Served:** General Industry,  
Agriculture, Marine, Pulp & Paper,  
Power Generation, Oil & Gas,  
Municipal / Wastewater, Chemical &  
Pharmaceutical, Food & Beverage,  
Mining & Minerals, Steel & Metals



## Lantern Rings

**Temperature:**  
-400°F / -240°C  
to 500°F / 260°C

**pH Range:**  
0 to 14

**Speed:**  
not applicable

**Pressure:**  
Pump: 1000 psi / 68 bar

**Available Cross Sections:**  
in inches - 1/4, 5/16,  
3/8, 7/16, 1/2, 9/16,  
5/8, 3/4, 7/8, 1  
Various Widths

**Material:** 100% virgin PTFE

**Construction:** 4 foot strip

**Application Media:** chemicals,  
solvents, corrosives, gases, water,  
steam, ammonia, air, oils, paper  
stock, liquor, condensate, boiler  
feed water

**Equipment:** rotating & reciprocating  
equipment, valves

**Industry Served:** General Industry,  
Agriculture, Marine, Pulp & Paper,  
Power Generation, Oil & Gas,  
Municipal / Wastewater, Chemical &  
Pharmaceutical, Food & Beverage,  
Mining & Minerals, Steel & Metals



## Crane-foil™

**Temperature:**  
 In Atmosphere: -400°F /  
 -240°C to 850°F / 455°C  
 In Non-Oxidizing  
 Atmosphere: up to  
 5432°F / 2970°C  
 In Steam: up to  
 1200°F / 650°C

**pH Range:** 0 to 14  
**Speed and Pressure:**  
 dependent upon  
 application

**Available Sizes:**  
 die-formed rings  
 available in wide range  
 of sizes and various  
 densities.

**Material:** 100% flexible graphite,  
 commercial and nuclear grades  
**Construction:** die-formed rings & tape  
**Application Media:** chemicals, solvents,  
 corrosives, gases, water, steam, ammo-  
 nia, air, oils, paper stock, liquor, con-  
 densate, boiler feed water

**Equipment:** rotating & reciprocating  
 equipment, valves, soot blowers,  
 expansion joints

**Industry Served:** General Industry,  
 Agriculture, Marine, Pulp & Paper,  
 Power Generation, Oil & Gas, Municipal /  
 Wastewater, Chemical &  
 Pharmaceutical, Food & Beverage,  
 Mining & Minerals, Steel & Metals

**Tapes:**  
 Thickness: .005", .010", .015", .025"  
 Widths: .25", .50", .75", 1"  
 Lengths: .25', .50', 100' ft.  
 Type: plain or crinkled, with or  
 without adhesive back.

**Guillotine Type:** For precision butt or diagonal cut joint cuts.  
 Max. Cross Section: butt cut up to 1", diagonal cut up to 3/4".  
 Various size cutters for inside ring diameters: small to 4",  
 medium to 10", large to 15".

Spare component parts also available.

**Hand Type:** Easily carried in your tool kit. Joint Type: butt and  
 diagonal cuts. Max. Cross Section: butt cut up to 3/4", diagonal  
 cut up to 5/8".

Spare cutting blades available.



## Packing Cutters

**Installation Bushings & Cutting Mandrels:** Ideal compliment  
 for use with your John Crane packing tool kit. Avoid the risk of  
 scoring the shaft or sleeve by using it as a cutting mandrel.  
 Properly seat rings individually with John Crane installation  
 bushings.

Available in a wide variety of diameters and lengths.



## Installation Tools

**Tool Kits:** Make your job easier by using the proper tools.

Available Kits:

Deluxe - 36 piece (as shown)

Medium - 17 piece (hooks, picks, tips, wrench, case only)

Small - 11 piece (hook, picks, tips, wrench, case only)

Also available as individual components.



## Tool Kits