



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

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

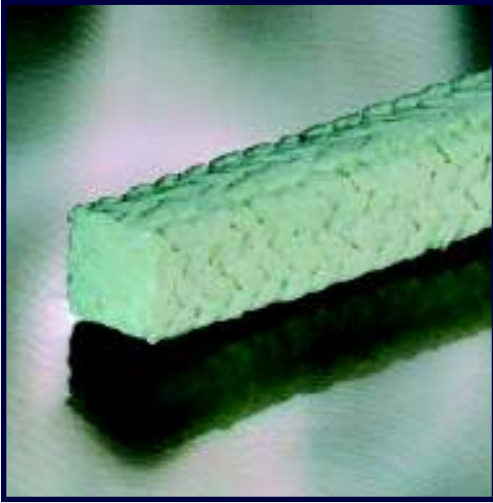
Size	1/8		3/16		1/4		5/16		3/8		7/16		1/2		9/16		5/8		3/4		7/8		1	
Box Type	A	B	A	B	A	B	A	B	A	B	A	B	A	B	C	C	C	C	C	C	C	C	C	C
Ft/Box	100	500	45	225	25	125	18	90	12	60	10	50	7	35	25	25	25	25	25	25	20	16	16	16

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

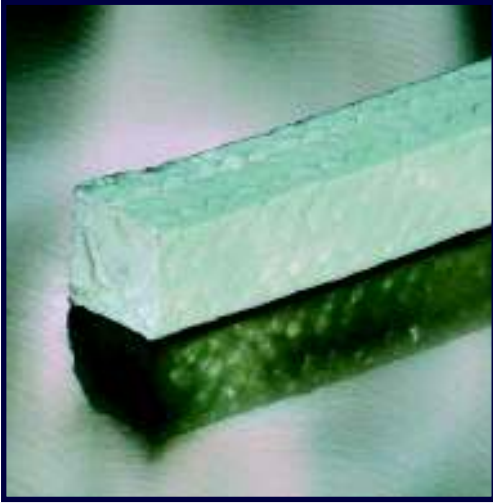
Material: polyimide, PTFE,
lubricating oil

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

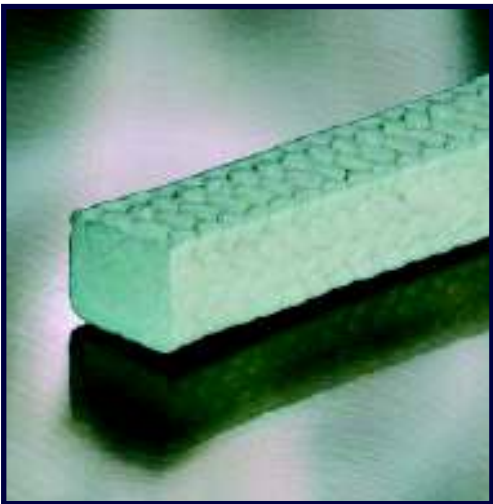
Material: PTFE filament, PTFE dispersion

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

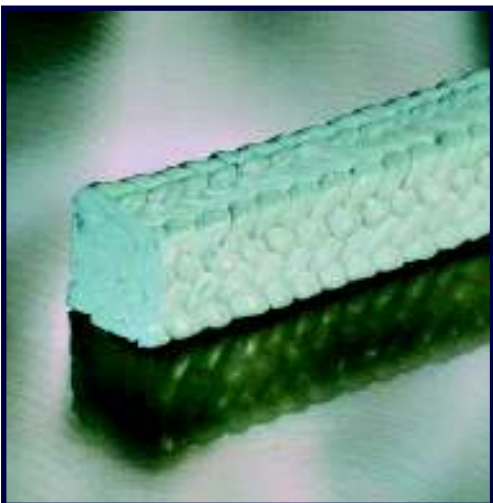
Material: PTFE filament, PTFE dispersion, lubricating oil

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

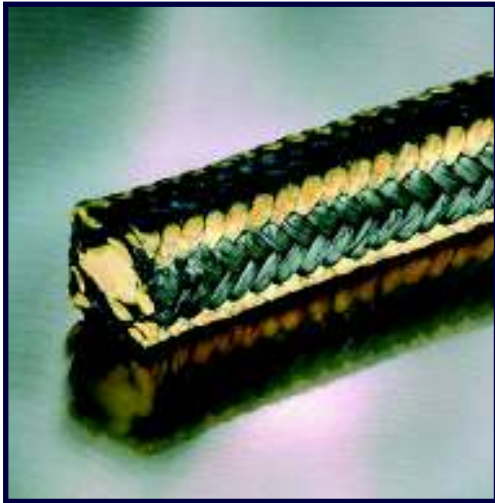
Material: FDA compliant PTFE filament, lubricating oil

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

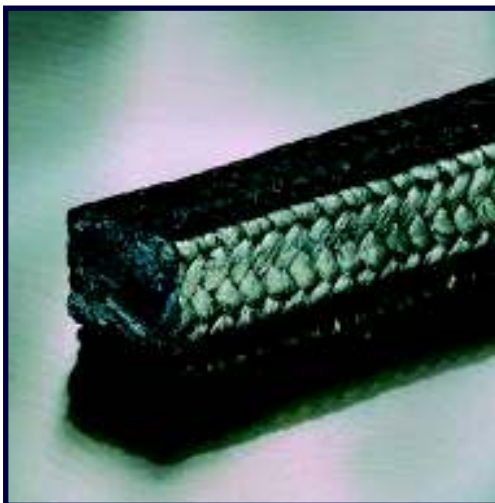
Material: expanded PTFE w/graphite,
lubricating oil

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

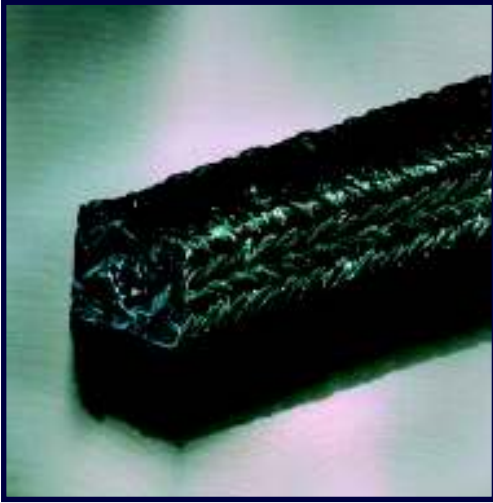
Material: PTFE filament w/graphite,
lubricating oil

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

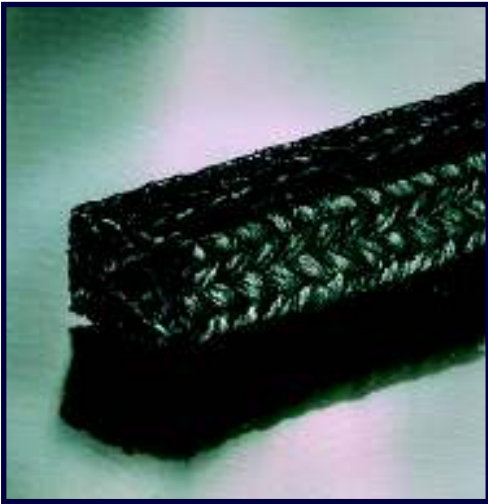
Material: graphite filament,
light PTFE

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

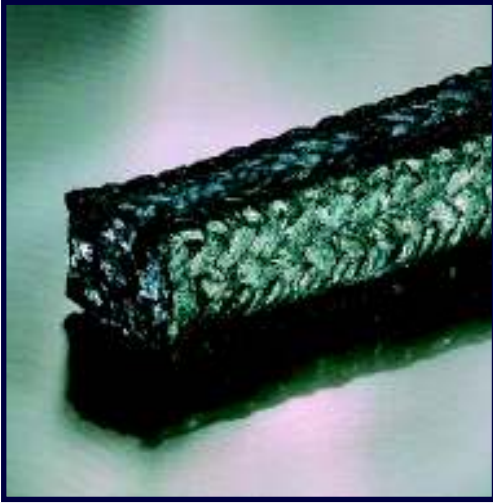
Material: Aramid, PTFE, lubricating oil

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

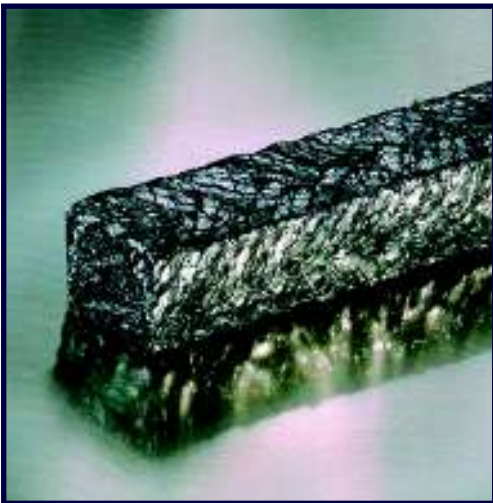
Material: flexible graphite

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

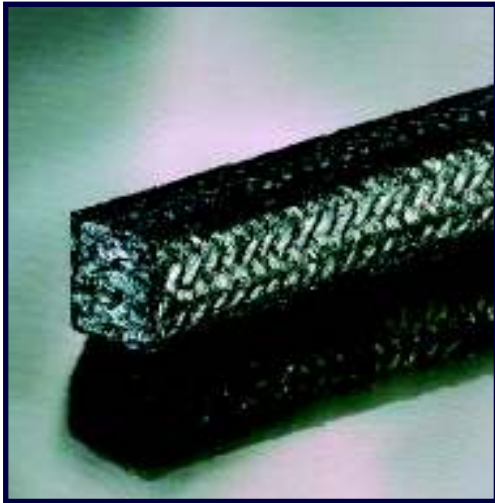
Material: flexible graphite, Inconel wire

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

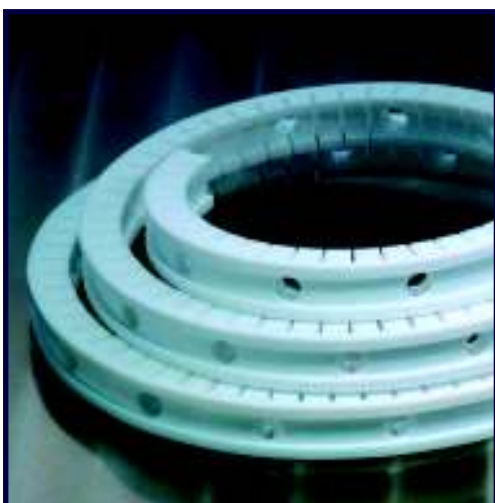
Material: 100% virgin PTFE

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