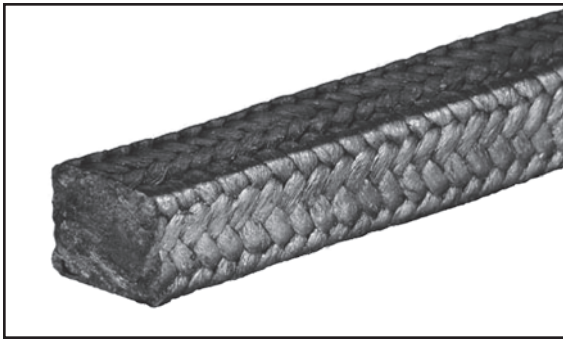




PACKING - STYLE 58

PTFE Based Packing - General and Chemical Service



Product Description

Style 58 combines 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, this nonabrasive packing provides excellent conformability, adjustability and flexibility. A superior, low-maintenance choice where minimum field adjustment and fast break-in and start-up are necessary.

Style 58 Packing is ideal for controlled leakage and extrusion resistance at high pressures and shaft speeds. When used as a multipurpose packing, inventory costs are greatly reduced.

Performance Capabilities

- Temperature:
-350°F to 500°F
- Pressure:
Pump 20 bar / 300 psi
Valve 275 bar / 4000 psi
- Speed:
15 mps / 3000 fpm
- pH Range:
0 to 14

Applications

Air, ammonia, chemicals, condensate, corrosives, gases, liquor, oils, paper stock, solvents, steam and water

Construction Features

Interlace Braid
Style 58 has individual continuous filament yarns which 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.

Call U.S. Seal Mfg. for additional styles and sizes.

Typical Equipment

Agitators, digesters, expansion joints, mixers, pumps, reciprocating and rotating equipment, valve stems

Industries Served

- Agriculture
- Chemical
- General Industry
- Marine
- Municipal
- Oil & Gas
- Pharmaceutical
- Power Generation
- Pulp & Paper
- Steel & Metals

One Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	USP-012501058	89.93
3/16"	USP-018701058	39.34
1/4"	USP-025001058	22.01
5/16"	USP-031201058	14.13
3/8"	USP-037501058	9.78
7/16"	USP-043701058	7.20
1/2"	USP-050001058	5.50
9/16"	—	—
5/8"	—	—
3/4"	—	—
7/8"	—	—
1"	—	—

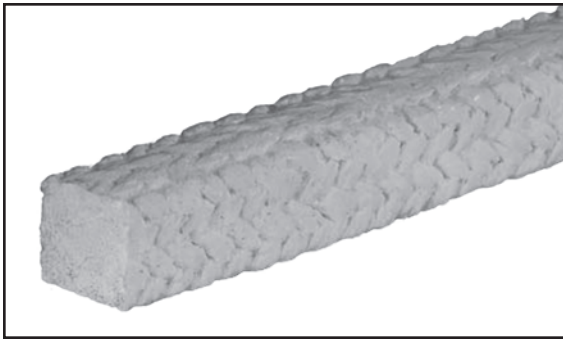
Five Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	USP-012505058	449.64
3/16"	USP-018705058	196.70
1/4"	USP-025005058	110.06
5/16"	USP-031205058	70.66
3/8"	USP-037505058	48.91
7/16"	USP-043705058	36.02
1/2"	USP-050005058	27.51
9/16"	—	—
5/8"	—	—
3/4"	—	—
7/8"	—	—
1"	—	—

Ten Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	—	—
3/16"	—	—
1/4"	—	—
5/16"	—	—
3/8"	—	—
7/16"	—	—
1/2"	—	—
9/16"	USP-056210058	43.56
5/8"	USP-062510058	35.22
3/4"	USP-075010058	24.46
7/8"	USP-087510058	17.97
1"	USP-100010058	13.74



PACKING - STYLE 302

Synthetic Packing - General Service



Performance Capabilities

- Temperature:
-170°F to 500°F
- Pressure:
Pump Up to 20 bar / 300 psi
Valve Up to 68 bar / 1000 psi
- Speed:
Up to 11 mps / 2250 fpm
- pH Range:
2 to 12

Construction Features

Interlace Braid
Style 302 has spun synthetic fibers thoroughly impregnated with PTFE dispersion plus a general service compatible lubricant.

Call U.S. Seal Mfg. for additional styles and sizes.

Product Description

Style 302 is a cost effective general service packing. It contains no graphite.

Constructed of the highest quality synthetic fibers and lubricants and designed to handle a wide range of fluids at moderate to high temperatures, pressures and shaft speeds.

Style 302 packing is thoroughly impregnated with PTFE in order to enhance chemical resistance, lubricity and dimensional stability which help to ensure even gland load distribution promoting longer packing life.

Applications

Gases, mild acids and caustics, non abrasives, oils, solvents, steam, water

Typical Equipment

Rotating and reciprocating equipment, valves and expansion joints

Industries Served

- Agriculture
- General Industry
- Marine
- Municipal
- Oil & Gas
- Power Generation
- Pulp & Paper
- Wastewater

One Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	USP-012501302	116.28
3/16"	USP-018701302	54.73
1/4"	USP-025001302	29.06
5/16"	USP-031201302	18.66
3/8"	USP-037501302	12.91
7/16"	USP-043701302	9.51
1/2"	USP-050001302	7.27
9/16"	—	—
5/8"	—	—
3/4"	—	—
7/8"	—	—
1"	—	—

Five Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	USP-012505302	581.40
3/16"	USP-018705302	273.67
1/4"	USP-025005302	145.31
5/16"	USP-031205302	93.28
3/8"	USP-037505302	64.54
7/16"	USP-043705302	47.55
1/2"	USP-050005302	36.33
9/16"	—	—
5/8"	—	—
3/4"	—	—
7/8"	—	—
1"	—	—

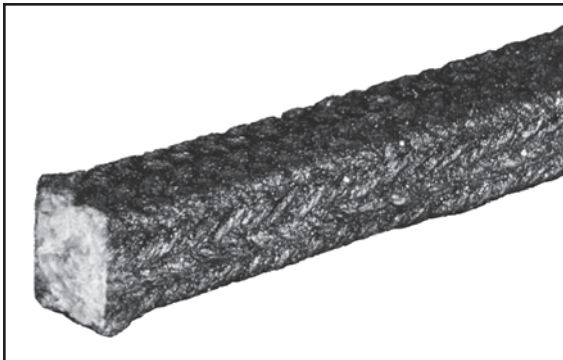
Ten Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	—	—
3/16"	—	—
1/4"	—	—
5/16"	—	—
3/8"	—	—
7/16"	—	—
1/2"	—	—
9/16"	USP-056210302	57.50
5/8"	USP-062510302	40.84
3/4"	USP-075010302	32.28
7/8"	USP-087510302	23.72
1"	USP-100010302	18.16

Replaces: American Braiding - 3000N, 3000T / Chemstar - 1152, 11621B / Chesterton - 412W, 1710, 1774
 Garlock - Packmaster 1, 7223, 8922 / John Crane - 1335 / Marlow - 250 / New England Braiding - 142
 Palmetto 1347AF, 1392 / Phelps - 2072, 2172 / Sepco - ML2225, ML2550 / Teadit - 2019 / Utex - 234, 237



PACKING - STYLE 303

Graphite-Coated Packing - General Service



Product Description

Style 303 is a cost effective graphite-coated general service packing constructed of the highest quality synthetic fibers and lubricants designed to handle a wide range of fluids at moderate to high temperatures, pressures, and shaft speeds.

Style 303 packing is thoroughly impregnated with lubricants to fill braided voids in order to reduce product penetration.

An external graphite coating is added for lubricity and to enhance heat dissipation for increased packing life.

Performance Capabilities

- Temperature:
-170°F to 500°F
- Pressure:
Pump Up to 20 bar / 300 psi
Valve Up to 68 bar / 1000 psi
- Speed:
Up to 10 mps / 2000 fpm
- pH Range:
4 to 10

Applications

Gases, mild acids and caustics, non abrasives, oils, solvents, steam, water

Construction Features

Interlace Braid
Style 303 has spun synthetic fibers treated with a proprietary blend of petroleum-based lubricants plus an external coating of graphite

Call U.S. Seal Mfg. for additional styles and sizes.

Typical Equipment

Rotating and reciprocating equipment, valves and expansion joints

Industries Served

- Agriculture
- General Industry
- Marine
- Municipal
- Oil & Gas
- Power Generation
- Pulp & Paper
- Wastewater

One Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	USP-012501303	151.52
3/16"	USP-018701303	72.52
1/4"	USP-025001303	33.32
5/16"	USP-031201303	25.91
3/8"	USP-037501303	17.94
7/16"	USP-043701303	13.21
1/2"	USP-050001303	10.09
9/16"	—	—
5/8"	—	—
3/4"	—	—
7/8"	—	—
1"	—	—

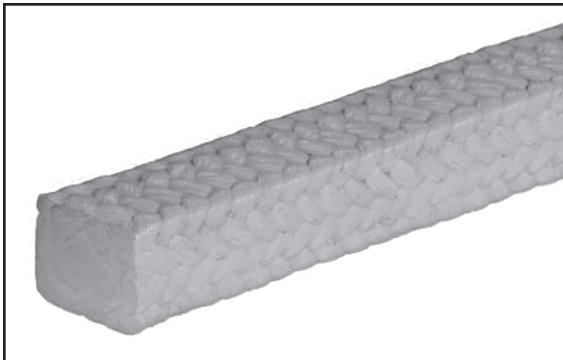
Three Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	USP-012503303	454.55
3/16"	USP-018703303	217.55
1/4"	USP-025003303	99.97
5/16"	USP-031203303	77.74
3/8"	USP-037503303	53.91
7/16"	USP-043703303	39.62
1/2"	USP-050003303	30.26
9/16"	—	—
5/8"	—	—
3/4"	—	—
7/8"	—	—
1"	—	—

Five Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	—	—
3/16"	—	—
1/4"	—	—
5/16"	—	—
3/8"	—	—
7/16"	—	—
1/2"	—	—
9/16"	USP-056205303	39.78
5/8"	USP-062505303	31.89
3/4"	USP-075005303	22.98
7/8"	USP-087505303	16.46
1"	USP-100005303	12.94



PACKING - STYLE 792

PTFE (FDA Compliant) Braided Packing for Food & Beverage Service



Product Description

Style 792 is a firm, yet pliable packing manufactured from the purest PTFE filaments.

Also an excellent choice for chemical resistance, this packing is free from color contamination for applications where color contamination can not be tolerated.

Style 792 contains a food grade lubricant which provides faster break-in and reduced shaft wear.

Performance Capabilities

- Temperature:
-450°F to 500°F
- Pressure:
Pump 20 bar / 300 psi
Valve 170 bar / 2500 psi
- Speed:
10 mps / 2000 fpm
- pH Range:
0 to 14

Applications

Food & Beverage packaging
Pharmaceutical production

Typical Equipment

Rotating & reciprocating equipment, valves

Industries Served

- Food & Beverage
- Pharmaceutical

Construction Features

Lattice Braid

Style 792's PTFE filament is compliant with FDA regulation 21 CFR 177.1550.

One Pound Box			Five Pound Box			Ten Pound Box		
Cross Section	U.S. Seal Mfg. Part Number	Feet / Box	Cross Section	U.S. Seal Mfg. Part Number	Feet / Box	Cross Section	U.S. Seal Mfg. Part Number	Feet / Box
1/8"	USP-012501792	89.93	1/8"	USP-012505792	449.64	1/8"	—	—
3/16"	USP-018701792	39.34	3/16"	USP-018705792	196.70	3/16"	—	—
1/4"	USP-025001792	22.01	1/4"	USP-025005792	110.06	1/4"	—	—
5/16"	USP-031201792	14.13	5/16"	USP-031205792	70.66	5/16"	—	—
3/8"	USP-037501792	9.78	3/8"	USP-037505792	48.91	3/8"	—	—
7/16"	USP-043701792	7.20	7/16"	USP-043705792	36.02	7/16"	—	—
1/2"	USP-050001792	5.50	1/2"	USP-050005792	27.51	1/2"	—	—
9/16"	—	—	9/16"	—	—	9/16"	USP-056210792	43.52
5/8"	—	—	5/8"	—	—	5/8"	USP-062510792	35.22
3/4"	—	—	3/4"	—	—	3/4"	USP-075010792	24.46
7/8"	—	—	7/8"	—	—	7/8"	USP-087510792	17.97
1"	—	—	1"	—	—	1"	USP-100010792	13.74

Replaces: American Braiding - 244FDA / Chemstar - 154 FDA / Chesterton - 425, 1725
Garlock - 5904 / John Crane - C1056 / New England Braiding - 110
Palmetto 1367FS / Phelps - 2031 / Sepco - ML2236FDA / Teadit - 2006FDA / Utex - 245



PTFE LANTERN RING STRIP



Product Description

PTFE lantern rings are widely used in applications where outside lubrication is necessary in order to keep packing lubricated, cool, and flushed of abrasives and chemicals. The use of lantern rings greatly increases the life of compression packing, resulting in less maintenance and downtime over the life of the equipment.

PTFE lantern rings will handle a wide range of fluids, offering maximum corrosion resistance and, unlike metallic rings, will not gall or score shafts or sleeves. They have also been successfully used in bearing assemblies as a conduit for grease or oil. The lantern ring works in aiding movement of the lubricant without risk of contamination or excess stuffing box wear.

Performance Capabilities

- Temperature:
-400°F to 500°F
- Pressure:
Pump 68 bar / 1000 psi
- Speed:
Not Applicable
- pH Range:
0 to 14

Construction Features

4 Foot Strip

Applications

Air, ammonia, boiler feed water, chemicals, condensate, corrosives, gases, liquor, oils, paper stock, solvents, steam, water

Typical Equipment

Rotating and reciprocating equipment, valves

Industries Served

- Chemical
- General Industry
- Mining & Minerals
- Municipal
- Oil & Gas
- Pharmaceutical
- Power Generation
- Pulp & Paper
- Steel & Metals
- Wastewater

Height	Width	Part Number
1/4"	3/8"	USP-02500375LRS
5/16"	7/16"	USP-03120437LRS
3/8"	1/2"	USP-03750500LRS
7/16"	9/16"	USP-04370562LRS
1/2"	5/8"	USP-05000625LRS
9/16"	11/16"	USP-05620687LRS
5/8"	3/4"	USP-06250750LRS
3/4"	7/8"	USP-07500875LRS
7/8"	1"	USP-08751000LRS

Height	Width	Part Number
1/4"	1/2"	USP-02500500LRS
5/16"	5/8"	USP-03120625LRS
3/8"	3/4"	USP-03750750LRS
7/16"	7/8"	USP-04370875LRS
1/2"	1"	USP-05001000LRS
9/16"	1"	USP-05621000LRS
5/8"	1"	USP-06251000LRS
3/4"	1"	USP-07501000LRS
1"	1"	USP-10001000LRS

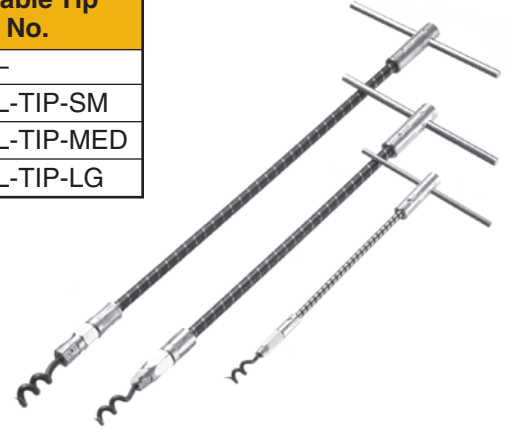
If the products featured will be used in a potentially dangerous and/or hazardous process, your U.S. Seal Mfg. representative should be consulted prior to their selection and use. In the interest of continuous development, U.S. Seal Mfg. reserves the right to alter designs and specifications without prior notice. It is dangerous to smoke while handling products made from PTFE. Old and new PTFE products must not be incinerated.



PACKING ACCESSORIES

PACKING HOOKS - "T" Handled, Flexible with Replaceable Cork Screw Tips

Hook Size	Hook Length	Used for Packing Size	U.S. Seal Mfg. Part No.	Replaceable Tip Part No.
Midget	6-1/2"	5/32" and Up	USP-PKG MGT	—
Small	7-1/2"	5/16" and Up	USP-PKG HOOK SM	USP-REPL-TIP-SM
Medium	11"	7/16" and Up	USP-PKG HOOK MED	USP-REPL-TIP-MED
Large	14"	1/2" and Up	USP-PKG HOOK LG	USP-REPL-TIP-LG



PACKING CUTTERS

Hand Held Packing Cutter

Size	U.S. Seal Mfg. Part No.	Type of Cuts	Max. Cross Section
Hand Held	USP-HT-PKG-CUT	Butt	Up to 3/4"
		Diagonal	Up to 5/8"



Hand Held

Guillotine Packing Cutter

Size	U.S. Seal Mfg. Part No.	Type of Cuts	Max. Cross Section	Packing Ring ID
Small	USP-SM-PKG-CUT	Butt	Up to 1"	Up to 4"
		Diagonal	Up to 3/4"	
Medium	USP-MED-PKG-CUT	Butt	Up to 1"	Up to 10"
		Diagonal	Up to 3/4"	



Guillotine

TOOL KITS - Contain an Assortment of Hooks, Picks and Replacement Tips



USP-TOOL KIT LG

- ◆ Contains 36 pcs.
- ◆ Hooks, picks, tips, thread adapters, brush sets, packing cutting knife with leather sheath, tool box

USP-TOOL KIT MED (as shown)

- ◆ Contains 17 pcs.
- ◆ Hooks, picks, tips, wrench, case only

USP-TOOL KIT SMALL

- ◆ Contains 11 pcs.
- ◆ Hooks, picks, tips, wrench, case only