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ChemStar Mechanical Packing



Style 154

PTFE packing, with PTFE dispersion. A dense firm packing used in valve and slow speed pump applications. Excellent chemical resistance.

Temperature: To 500° F - (260° c) ph: 0-14 Speed: 1000 FPM; Pressure: To 300 psi (20 bar)

- pumps To 2000 psi (140 bar) - valves; Construction: Interlock Braid

Style 154S

PTFE packing treated with an inert lubricant. A soft and resilient packing for chemical pump and valve applications. Food service packing use **154FDA**; Braided Teflon tape is style **156. Temperature:** To 500° F - (260° c); **ph:** 0-14; **Speed:** 1500 FPM; **Pressure:** To 300 PSI (20 bar); **Construction:** Interlock Braid





Style 165

Graphite filled PTFE fiber packing that improves thermal conductivity and will not harden. Commonly called (GFO®)

Temperature: To 550° F - (285° c) ph: 0-14 Speed: 4300 FPM Pressure: 300 PSI (20 bar) Construction: Interlock Braid

Style 165K

Unique Aramid packing combining styles 165 and 170 fibers. Aramid corners prevent roll and extrusion. Excellent service packing in severe pump applications. Widely used in paper mills.

Temperature: To 550° F - (285° c) **ph:** 2-12 **Speed:** 2500 FPM **Pressure:** 300 PSI (20 bar) **Construction:** Interlock Braid





Style 170

Aramid fiber packing with an inert lubricant. Extremely durable, highly abrasive resistant packing. *Ideal* for slurry service.

Temperature: To 500° F - (260° c) **ph:** 3-11 **Speed:** 1900 FPM **Pressure:** 500 PSI (35 bar) **Construction:** Interlock Braid

Style 182

Spun Aramid fiber impregnated with PTFE dispersion and break-in lubricant. Ideal for valves and pumps in abrasive service.

Temperature: To 500° F - (260° c) **ph**: 2-12 **Speed**: 2250 FPM **Pressure**: 500 PSI (35 bar) **Construction**: Interlock Braid





Style 50

Carbon yarn packing heavily impregnated with PTFE dispersion. For severe services in pumps or valves handling chemicals, solvents and acids. An ideal packing for paper mill applications.

Temperature: To 600° F - (315° c) **ph:** 0-14 **Speed:** 3000 FPM **Pressure:** 500 PSI (35 bar) **Construction:** Interlock Braid



Style 90

Carbon yarn packing impregnated with graphite dispersion. For severe services in pump and valve applications, including super-heated steam, acids, alkalis, etc.

Temperature: To 850° F - atmosphere (455° c); To 1200° F - steam (650° c)

ph: 0-14 Speed: 4000 FPM; Pressure: To 500 PSI (35 bar) - pumps; To 2500 PSI (170 bar) -

valves; Construction: Interlock Braid

Style 160

Graphite filament packing impregnated with a graphite dispersion. For severe service applications where leakage must be held to a minimum. Excellent chemical resistance.

Temperature: To 850° F - atmosphere (455° c); To 1200° F - steam (650° c)

ph: 0-14 Speed: 4000 FPM; Pressure: To 500 PSI (35 bar) - pumps; To 2500 PSI (170 bar) -

valves; Construction: Interlock Braid





Style 1100CR

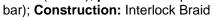
Braided from a combination of expanded flexible graphite (1100TCP) and high strength carbon fibers (90). Carbon fibers are braided into the corners to provide anti-extrusion and better abrasion resistance in tough applications. Can give virtually leak free performance. 1100CR was independently fire tested to API 589 at API 607 temperatures and pressures.

Temperature: To 1050° F - atmosphere (565° c); To 1250° F - steam (650° c); ph: 0-14 except

strong oxidizers Speed: 4000 FPM; Pressure: To 3000 PSI (200 bar); Construction: Interlock Braid

Style 1100I

Braided from a combination of expanded flexible graphite and inconel wire. 1100I retains dimensional stability in high temperature, high-pressure environments, and can meet most VOC emission control regulations. 1100I was independently fire tested to API 589 at API 607 temperatures and pressures. **Temperature:** To 850° F - atmosphere (455° c); To 1200° F - steam (650° c); **ph:** 0-14 except strong oxidizers **Valves only!! Pressure:** To 3000 PSI (200







Style 1100TCP

Braided from pure expanded graphite. It is resilient, self-lubricating, chemically inert and thermally conductive. 1100TCP can be used in both pumps and valves in a wide range of service conditions. **Temperature:** To 850° F - atmosphere (455° c); To 1200° F - steam (650° c); **ph:** 0-14 except strong oxidizers **Speed:** 4000 FPM; **Pressure:** To 3000 PSI (200 bar) **Construc-**

tion: Interlock Braid

Style 1414

High temperature carbon yarn with inconel wire braided over a resilient core thoroughly impregnated with graphite and corrosion inhibitor. **Temperature:** To 1200° F - steam (650° c)

ph: 1-12 Valves only!

Pressure: To 2500 PSI (170 bar) Construction: Braid over core





Style 525T

Premier marine service packing made with flax fibers and lubricated with PTFE dispersion. It has low friction and high tensile strength. Excellent for water service and paper mill applications

Temperature: To 250° F - (120° c) **ph:** 4-9 **Speed:** 1500 FPM **Pressure:** 200 PSI (15 bar) **Construction:** Square Braid

Style 528

Flax fiber packing, lubricated with tallow and wax. Used for brine, cold water and oil service. Ideal for marine applications. **Temperature:** To 220° F - (105° c) **ph:** 5-9 **Speed:** 1200 FPM

Pressure: 150 PSI (10 bar) Construction: Square plaited





Style 531

Flax fiber packing, treated with a petroleum-based lubricant and surface graphited.

Temperature: To 220° F - (105° c) **ph:** 5-9 **Speed:** 1200 FPM **Pressure:** 150 PSI (10 bar) **Construction:** Square braid





Style 1152

Special syntex fiber, with each strand impregnated with PTFE dispersion both prior to and after braiding. Finished packing also has a break-in lubricant. An asbestos replacement packing for general service applications. Good chemical resistance.

Temperature: To 500° F - (260° c) ph: 0-12 Speed: 2200 FPM Pressure: 500 PSI (35 bar) Construction: Interlock braid

Style 1152K

Unique packing combining 1152 and 170 fibers. Aramid corners prevent roll and extrusion. Well

suited for abrasive applications and end rings with other packing. **Temperature:** To 500° F - (260° c) **ph:** 3-12 **Speed:** 2200 FPM **Pressure:** 500 PSI (35 bar) **Construction:** Interlock braid





Style 1162

Syntex fiber thoroughly impregnated with PTFE, a break-in lubricant is added fro start-up. An

economical PTFE general service packing.

Temperature: To 500° F - (260° c) **ph:** 2-10 **Speed:** 1800 FPM **Pressure:** 300 PSI (20 bar) **Construction:** Square plaited

Interlock Braid use Style 1162IB

Style 1190

Special Kynol[™] fibers treated with PTFE and break-in lubricant. This is a non-contaminating packing for use in paper mills in almost all pump and valve applications.

Temperature: To 500° F - (260° c) ph: 0-13 Speed: 1500 FPM Pressure: 500 PSI (35 bar) Construction: Interlock braid





Style 1398

Syntex fiber packing thoroughly impregnated with a high temperature lubricant. Finished packing is surface graphited. An asbestos replacement packing for general service use on pumps and valves. **Temperature:** To 500° F - (260° c) **ph:** 4-10 **Speed:** 1500 FPM

Pressure: 300 PSI (20 bar) Construction: Interlock braid

Pressure. 300 PSI (20 Dai) Construction. Interlock braid

For Moly Lubricant use Style 1398 MOLY

Style 1416

Texturized fiberglass fiber packing. It is braided dry with no lubricant. Packing will not swell, shrink and is completely incombustible. Used for sealing oven doors. Excellent chemical resistance.

Temperature: To 1000° F - (535° c) ph: 2-11

Construction: Square plaited Not for pumps or valves





Style 1430

Syntex fiber packing treated with a high temperature lubricant and graphited. Soft and pliable for general service on pumps and valves. **Temperature:** To 500° F - (260° c) **ph:** 4-10 **Speed:** 1500 FPM; **Pressure:** 300 PSI (20 bar) **Construction:** Square plaited

For Moly Lubricant use Style 1430 MOLY



Style 3165
Special blend of PTFE and graphite fibers plus a high temperature lubricant. An economical substitute for style 165. Good chemical and abrasion resistant packing.

Temperature: To 550° F - (285° c) ph: 0-14 Speed: 4500 FPM

Pressure: To 300 PSI (20 bar) Construction: Interlock Braid

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STYLES	CHESTERTON®	CRANE®	GARLOCK®	SEPCO®
1-T	1729	_	740	ML-1
49	420	550	344	_
50	1738	1655-CF	5000	ML-4461
90	370/477-1	1650-CF	98	ML-4460
154	1724/324	C-1045	5888/PM-7	ML-2254
154S	328/1728	C-1050	5889/PM-8	ML-2235
154FDA	1725	715	5900	ML-2236FDA
156	382	C-1050-M	620	2210
160	1/375	1625-G	200	ML-4444
165	1750	C-1065	5100/PM-6	ML-4002
170	1740	C-1064	6-K	ML-4004
182	_	1730	5200/PM-5	ML-4800
525T	_	1760	8904/PM-4	ML-6225
528	329	867	5413	219
531	80	863N	18	2
531NG	81	866	90/131	_
1100TCP	_	_	18/31	_
1152	1400	1656	1300	ML-911/ML-200
1152K	1710/412-W	1335	8922/PM-1	ML-2225
1162	_	_	8921-K	ML-2225A
1162IB	_	_	_	_
1190	1710/1774	1335	PM-1	ML-2225
1398	1727	_	_	ML-2400
1398NG	_	1340	8913/PM-2	ML-402/ML-640
1398MOLY	_	_	8917	_
1414	_	_	127AFP/1200PBI	_
1416	1800	387-1	_	ML-310
1416IB	_	_	_	FG-4
1420	_	_	5450	_
1430	_	_	8939-B	_
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