



CONTROLLED LIQUID SYSTEMS

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PACKING BROCHURE



KEVLAR IMPREGNATED WITH PTFE

DESCRIPTION

DuPont's continuous filament Kevlar is impregnated with a PTFE suspensoid and an inert lubricant, then braided into dense resilient packing.

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

500 F (260 C)

PH RANGE

2-12

SHAFT SPEED

2200 FPM (10 MPS)

PRESSURE

500 PSI

USES

Pump and valve packing for moderate uses. The high tensile strength of Kevlar makes this packing ideally suited for slurry and abrasive service



KYNOL IMPREGNATED WITH PTFE

DESCRIPTION

Kynol, a type of phenolic fiber, is impregnated with PTFE suspensoid. A special non - contaminating break-in lube is added

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

500 F (260 C)

PH RANGE

1-13

SHAFT SPEED

1500 FPM (7.5 MPS)

PRESSURE

500 PSI

USES

Moderate pump and valve services. Not for sulfuric acids or strong bases.



FIBERGLASS/ACRYLIC IMPREGNATED WITH PTFE SUSPENSIOID

DESCRIPTION

Commercial grade Chrysotile Fiberglass/Acrylic yarn is impregnated with PTFE suspenoid. The final packing is again saturated with PTFE

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

500 F (260 C)

PH RANGE

2-12

SHAFT SPEED

500 PSI

USES

A tough economical packing for valve services



FIBERGLASS/ACRYLIC IMPREGNATED WITH PTFE SUSPENSIOID AND BREAK IN LUBE

DESCRIPTION

Commercial grade Chrysotile fiberglass/acrylic yarn is impregnated with PTFE suspenoid. The final packing is again saturated with PTFE. A USP petrolatum lube is added as break-in lubricant

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

500 F (260 C)

PH RANGE

2-12

SHAFT SPEED

1500 FPM (7.6 MPS)

PRESSURE

500 PSI

USES

A tough economical packing for valve packing



TEFLON FILAMENT IMPREGNATED WITH PTFE SUSPENSOID

DESCRIPTION

Pure PTFE fiber is impregnated with PTFE suspensoid. 344FDA is a food grade variant.

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

500 F (260 C)

PH RANGE

0-14

SHAFT SPEED

1000 FPM (5 MPS)

PRESSURE

300 PSI

USES

Extreme chemical valve service. Braided into a dense packing, the very low coefficient of friction of PTFE reduces the need for adjustment after installation.



TEFLON FILAMENT IMPREGNATED WITH PTFE SUSPENSOID AND BREAK-IN LUBE

DESCRIPTION

Pure PTFE fiber is impregnated with PTFE suspensoid and an inert break-in lube

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

500 F (260 C)

PH RANGE

0-14

SHAFT SPEED

1800 FPM (9 MPS)

PRESSURE

300 PSI

USES

A Soft but dense packing for extreme chemical pump services. Not for use with molten alkalis



FLAX AND RAMIE IMPREGNATED WITH LUBRICANTS AND PTFE

DESCRIPTION

High quality flax and ramie fibers are impregnated generously with PTFE suspenoid and an inert lubricant.

CONSTRUCTION

Plait Braided

TEMPERATURE

200 F (90 C)

PH RANGE

5-11

SHAFT SPEED

1200 FPM (6 MPS)

PRESSURE

300 PSI

USES

Marine applications such as stern tubes and rudder posts.



CERAMIC IMPREGNATED WITH PETROLEUM LUBRICANTS AND COATED WITH GRAPHITE

DESCRIPTION

Chrysotile ceramic yarns are impregnated with a high-temperature petroleum lube. A graphite coating is applied to reduce friction and improve heat transfer.

CONSTRUCTION

Interlock Braided (1/8" and 3/16 plaited)

TEMPERATURE

450 C

PH RANGE

3-11

SLIDING SPEED

8M/SEC

PRESS

30KG/CM²

USES

An Economical packing for moderate pump and valve services.



ACRYLIC IMPREGNATED WITH PETROLEUM LUBRICANTS AND COATED WITH GRAPHITE

DESCRIPTION

A special acrylic yarn is impregnated with a high temperature lubricant and finished with particulate graphite

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

450 F (230 C)

PH RANGE

4-10

SHAFT SPEED

1000 FPM (5 MPS)

PRESSURE

300 PSI

USES

An economical general service packing for very moderate pump and valve services



ACRYLIC IMPREGNATED WITH PTFE SUSPENOID & INERT LUBRICANT

DESCRIPTION

A special acrylic yarn is impregnated with PTFE suspensoid. An inert lubricant is added for ease of start up

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

500 F (260 C)

PH RANGE

2 -12

SHAFT SPEED

2200 FPM (11 MPS)

PRESSURE

500 PSI



USES

A general purpose pump and valve packing

ACRYLIC IMPREGNATED WITH PTFE SUSPENOID & INERT LUBRICANT WITH KEVLAR CORNERS

DESCRIPTION

A special acrylic yarn is impregnated with PTFE suspensoid and an inert lubricant is added for ease of start up. Kevlar corners are braided into this packing

CONSTRUCTION

Interlock braided

TEMPERATURE

500 F (260 C)

PH RANGE

2-12

SHAFT SPEED

2200 FPM (11 MPS)

PRESSURE

500 PSI



USES

Non - Contaminating packing for paper mill applications or pumps where the high-speed qualities of acrylic yarn and the abrasive resistance of Kevlar extends packing life

CARBON IMPREGNATED WITH PTFE SUSPENOID

DESCRIPTION

Carbon Yarns are impregnated with PTFE as a blocking agent. This is a non-staining packing

CONSTRUCTION

Interlock Braided (1/8" and 3/16" plaited)

TEMPERATURE

550 F (290 C)

PH RANGE

0-14

PRESSURE

500 PSI

SHAFT SPEED

2000 FPM (10 MPS)

USES

General service pump and valve packing where a high quality non staining packing is required, such as in paper and sugar mill service



PTFE SUSPENOID COATED IN HIGH- TEMP GRAPHITE FINISH

DESCRIPTION

Carbon Yarns are impregnated with a blocking agent. A high Temperature graphite finish is added, as in break-in lubricant.

CONSTRUCTION

Interlock Braided (1/8" and 3/16" plaited)

TEMPERATURE

550 F (290 C)

PH RANGE

3-11

PRESSURE

500 PSI

SHAFT SPEED

2000 FPM (10 MPS)

USES

General service pump and valve packing for solvents, petrochemicals and mild acids and alkalis.



EXFOLIATED GRAPHITE

DESCRIPTION

Braided from pure expanded flexible graphite.
5000C has corners of carbon and 5000CC also
adds carbon core.

CONSTRUCTION

Plait Braided

TEMPERATURE

2000 F (1100 C)

PH RANGE

0-14

PRESSURE

2500 PSI Valves 500 PSI Pumps.

SHAFT SPEED

4000 FPM (20 MPS)

USES

Provides Virtually Leak-free service. Flexible graphite packing's feature a low coefficient of friction, excellent heat transfer properties and chemical resistance. Excellent multi-purpose pump and valve packing.



FLEXIBLE GRAPHITE IMPREGNATED WITH PTFE SUSPENOID & LUBRI9CANT

DESCRIPTION

Braided flexible graphite yarn is impregnated with PTFE and an inert lubricant. The high density of this packing provides excellent anti-extrusion features

CONSTRUCTION

Plait Braided

TEMPERATURE

550 F (290 C)

PH RANGE

0-14

PRESSURE

500 PSI

SHAFT SPEED

4000 FPM

USES

Excellent Multi-purpose packing for pumps and valves



GRAPHITE FILAMENT; NUCLEAR GRADE

DESCRIPTION

Pure Nuclear grade graphite filament is braided and treated with a special graphite coating to eliminate fraying when packing is cut

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

3500 F (1910 C) in non-oxidizing environment

PH RANGE

0 -14

PRESSURE

2500 PSI

SHAFT SPEED

4000 FPM

USES

Extreme valve service, used a wiper and cushioning rings in conjunction with die formed grafoil rings.



GRAPHITE FILAMENT IMPREGNATED WITH PROPRIETARY BLOCKING AGENT COATED IN GRAPHITE

DESCRIPTION

Pure graphite yarns are impregnated with a proprietary blocking agent. A high quality graphite lubricant is added.

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

1200 F (650 C) in steam 650 F (345 C) Other Services

PH RANGE

0-14

PRESSURE

500 PSI

SHAFT SPEED

3000 FPM (15 MPS)

USES

Pump and valve service involving the most extreme services of media, temperature of shaft speed. Does not fray when cut.



GFO

DESCRIPTION

W.L gore PTFE/graphite patented GFO fiber yarn is braided by a special technique into a dense but supple packing.

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

550 F (260 C)

PH RANGE

0 -14

PRESSURE

300 PSI

SHAFT SPEED

2000 FPM (10 MPS)

USES

Excellent multi-purpose packing for acids. Alkalis, solvents and steam.



GFO WITH KEVLAR CORNERS

DESCRIPTION

W.L Gores patented GFO yarn is braided with DuPont's Kevlar corners.

CONSTRUCTION

Interlock Braided

TEMPERATURE

500 F (260 F)

PH RANGE

2-12

PRESSURE

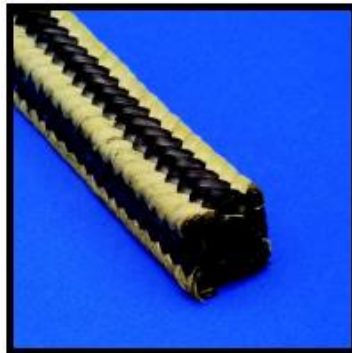
300 PSI

SHAFT SPEED

2000 FPM (10 MPS)

USES

Pump and valve service involving the most extreme services of media, temperature of shaft speed. Does not fray when cut.



PTFE FIBER IMPREGNATED WITH GRAPHITE

DESCRIPTION

PTFE/Graphite fiber is braided into a dense and resilient packing. 8100 BIL also incorporates an additional break-in lubricant.

CONSTRUCTION

Interlock braided (1/8" and 3/16" plaited)

TEMPERATURE

550 F (275 C)

PH RANGE

0 -14

PRESSURE

300 PSI

SHAFT SPEED

2000 FPM (10 MPS)

USES

Excellent multi-purpose packing for acids, alkalis, steam and solvents.

