



| Style | Composition | Description | Temperature | W x L | Thickness | Colour | Colour | Page |
|-----------------------------|---------------------------------------|--|---|--|---|---------------------------------|---------------------------------|------|
| 7900 7950 | Aramid Binder-Nitrile | Economy grade general service compressed sheet with NBR binder for mild service in Piping & Equipment & OEM applications in Steam, Hydrocarbons & Refrigerants. An economical alternative when service ranges and applications are not severe. | -100 to 700°F (-73 to 371°C) Intermittent 400°F (204°C) | 60" x 63" 60" x 126" 120" x 126" | 1/64", 1/32", 1/16" 3/32", 1/8" | Off-White Blue | | |
| 8300 | Carbon Fiber Binder-Nitrile | Premium grade compressed sheet, Excellent in Steam & Hydrocarbon services in the Refining, Petrochemical & Power Generation Industries. Other applications include Oil, Water, Mild Alkalis, Mild Acids, & Solvents. Contains high strength Carbon Fibers bonded with nitrile | -100 to 800°F (-73 to 427°C) Intermittent 600°F (315°C) | 60" x 63" 60" x 126" 120" x 126" | 1/64", 1/32", 1/16" 3/32", 1/8" | Black | Black Tensile PSI | |
| 8400 | Phenolic Binder-Nitrile | With an extremely wide pH application range, Can be used in Process Piping & Equipment in Chemical, Pulp and Paper, and other general industrial applications. | -100 to 800°F (-73 to 427°C) Intermittent 554°F (290°C) | 60" x 63" 60" x 126" 120" x 126" | 1/64", 1/32", 1/16" 3/32", 1/8", 3/16" | Gold | | |
| 8500 | Aramid-Inorganic Binder-Nitrile | Excellent in Steam, Natural Gas, Soybean Processing & with new generation Refrigerants. A high quality general service gasket material for use in a wide range of services in Pulp & Paper, Food, Beverage, Pharmaceutical, Chemical, Refinery, Gas Pipeline & General Industry. FIRE TESTED: passed a modified API 607 fire test. | -100 to 700°F (-73 to 371°C) Intermittent 548°F (287°C) | 60" x 63" 60" x 126" 120" x 126" | 1/64", 1/32", 1/16" 3/32", 1/8", 3/16" | Green | | |
| 8600 | Aramid-Inorganic Binder-SBR | High quality gasket material containing high strength aramid and inorganic fibers bonded with SBR rubber. An excellent choice for Steam or services where a White Gasket material is required. | -100 to 700°F (-73 to 371°C) Intermittent 548°F (287°C) | 60" x 63" 60" x 126" 120" x 126" | 1/64", 1/32", 1/16" 3/32", 1/8" | White | | |
| 8700 | Aramid-Inorganic Binder-Neoprene | High performance compressed gasket material for use in processes that require a neoprene bonded sheet. Excellent for Steam, Oils and Refrigeration Services. | -100 to 700°F (-73 to 371°C) Intermittent 548°F (287°C) | 60" x 63" 60" x 126" 120" x 126" | 1/32", 1/16", 1/8" | Blue | | |
| 9000 9000N | PTFE Inorganic Filler | Used extensively in Chemical, Pulp & Paper, Food & Beverage & the Railroad Tankcar Industries. It has been tested & approved for Liquid Chlorine, Caustics, Liquid Oxygen, & High Purity applications in the Pharmaceutical Industry (9000N, blood components manufacturing). designed for applications where resistance to Highly Aggressive Chemicals is required. Available in unpigmented white as style 9000N. Both styles 9000 and 9000N, Conform to FDA requirements. | -350 to 520°F (-212 to 271°C) | 60" x 60" | 1/64", 1/32", 1/16" 3/32", 1/8", 3/16" | Blue White | | |
| 9200 | Pure PTFE Barium Sulfate Filler | PTFE gasket material designed for use in Aggressive Chemicals. Including Caustics, Hydrogen Peroxide, Sodium Hypochlorite, Nitric Acid, Liquors & Digester in Pulp & Paper Service. Applications in the Chemical, Pharmaceutical & Plastics Industries include Butadiene, Hydrofluoric Acid, Vinyl Chloride, Methyl Methacrylates, & Styrene. It is also used extensively in Railroad Tankcar applications. | -350 to 520°F (-212 to 271°C) | 60" x 60" | 1/64", 1/32", 1/16" 3/32", 1/8" | White | | |
| 9600 | Expanded PTFE | Material designed for use in Process Piping & Equipment in Chemical, Pulp & Paper, Food & Beverage & other general industrial applications where resistance to highly aggressive chemicals is required. | -350 to 600°F (-212 to 316°C) | 60" x 60" | 1/16", 1/8", 1/4" | White | | |
| FLEXPAK | SBR Encapsulated Asbestos | Quality Commercial grade compressed sheet for moderate service conditions. -100 to 700°C (100 to 1300 psig) suitable for Steam, Oil, Water, Mild Alkalis & Acids, Hydrocarbons & Solvents. | 700°F (370°C) | 60" x 144" | 1/32", 1/16" 1/8" | White | | |
| PENPAK | SBR Encapsulated Asbestos | Good Quality grade sheet Suitable for sealing Oil, Water, Low Pressure Steam, Air, Line Oils, Detergents & many other fluids & Gases. Reliability, not suitable for high temperature & pressure properties. | 750°F (400°C) | 60" x 72" 60" x 144" | 1/64", 1/32", 1/16" 1/8" | White | | |
| Durabla Black | SBR Encapsulated Asbestos | Premium quality, universal grade Gasket material designed for the widest range of applications. Excellent sealability in tough services such as high pressure & cryogenic for a wide variety of steam and refrigerants. It is suitable for temperatures up to 1100°F (593°C), or pressures to 3700 psig (255 bar). | 1100°F (593°C) | 60" x 144" 120" x 144" | 1/64", 1/32", 1/16" 3/32", 1/8", 3/16" | Black | | |

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Sheet Packing Material

7900 Aramid Fiber / Nitrile Binder



(Aramid fibers are a class of heat-resistant and strong synthetic fibers.Used in Aerospace & Military applications, Ballistic rated Body Armor & Ballistic Composites)
 : Economy grade general service compressed sheet with NBR binder for mild service in Piping & Equipment & OEM applications in Steam, Hydrocarbons & Refrigerants. An economical alternative when service ranges and applications are not severe.
 : **Temperature** -100 to 700°F (-73 to 371°C) **Intermittent** 400°F (204°C)

| Gauge | Tensile | Colour | Sheet Sizes | DUR- | |
|----------------|---------|--------------|-------------|--------------|---------------------|
| Inch | mm | PSI / MPa | 60" x 63" | 60" x 126" | 120" x 126" |
| 1/64" (0.0156) | 0.3969 | 1,600 / 11.0 | Off-White | DW05-060-063 | DW05-060-126 |
| 1/32" (0.0312) | 0.7938 | | | DW08-060-063 | DW08-060-126 |
| 1/16" (0.0625) | 1.5875 | | | DW15-060-063 | DW15-060-126 |
| | | | | | DW15-120-126 |
| 3/32" (0.0937) | 2.3812 | | | DW25-060-063 | DW25-060-126 |
| 1/8" (0.1250) | 3.1750 | | | DW30-060-063 | DW30-060-126 |
| | | | | | DW30-120-126 |

8300 Carbon Fiber / Nitrile Binder (Carbon Fibers properties such as High Flexibility, High Tensile Strength, Low Weight,



High Temperature) - Premium grade compressed sheet, Excellent in Steam & Hydrocarbon services in the Refining, Petrochemical & Power Generation Industries. Other applicatons include Oil, Water, Mild Alkalis, Mild Acids, & Solvents. Contains high strength Carbon Fibers bonded with Nitrile
 : **Temperature** -100 to 800°F (-73 to 427°C) **Intermittent** 600°F (315°C)

| Gauge | Tensile | Colour | Sheet Sizes | DUR- | |
|----------------|---------|--------------|-------------|--------------|--------------|
| Inch | mm | PSI / MPa | 60" x 63" | 60" x 126" | 120" x 126" |
| 1/64" (0.0156) | 0.3969 | 1,800 / 12.4 | Black | DC05-060-063 | DC05-060-126 |
| 1/32" (0.0312) | 0.7938 | | | DC08-060-063 | DC08-060-126 |
| 1/16" (0.0625) | 1.5875 | | | DC15-060-063 | DC15-060-126 |
| | | | | | DC15-120-126 |
| 3/32" (0.0937) | 2.3812 | | | DC25-060-063 | DC25-060-126 |
| 1/8" (0.1250) | 3.1750 | | | DC30-060-063 | DC30-060-126 |
| | | | | | DC30-120-126 |

8400 Phenolic Fiber / Nitrile Binder



: With an extremely wide pH application range, Can be used in Process Piping & Equipment in Chemical, Pulp and Paper, and other general industrial applications.
 : **Temperature** -100 to 800°F (-73 to 427°C) **Intermittent** 554°F (290°C)

| Gauge | Tensile | Colour | Sheet Sizes | DUR- | |
|----------------|---------|--------------|-------------|--------------|---------------------|
| Inch | mm | PSI / MPa | 60" x 63" | 60" x 126" | 120" x 126" |
| 1/64" (0.0156) | 0.3969 | 1,800 / 12.4 | Gold | GD05-060-063 | GD05-060-126 |
| 1/32" (0.0312) | 0.7938 | | | GD08-060-063 | GD08-060-126 |
| 1/16" (0.0625) | 1.5875 | | | GD15-060-063 | GD15-060-126 |
| | | | | | GD15-120-126 |
| 3/32" (0.0937) | 2.3812 | | | GD25-060-063 | GD25-060-126 |
| 1/8" (0.1250) | 3.1750 | | | GD30-060-063 | GD30-060-126 |
| 3/16" (0.1875) | 4.7625 | | | GD30-060-063 | GD30-060-126 |
| | | | | | GD30-120-126 |



Sheet Packing Material

8500 Aramid Inorganic Fiber / Nitrile Binder



: Excellent in Steam, Natural Gas, Soybean Processing & with new generation Refrigerants. A high quality general service gasket material for use in a wide range of services in Pulp & Paper, Food, Beverage, Pharmaceutical, Chemical, Refinery, Gas Pipeline & General Industry. FIRE TESTED: passed a modified API 607 fire test.
 : **Temperature** -100 to 700°F (-73 to 371°C) **Intermittent** 548°F (287°C)

| Gauge | Tensile | Colour | Sheet Sizes | DUR- | |
|----------------|---------|--------------|-------------|--------------|--------------|
| Inch | mm | PSI / MPa | 60" x 63" | 60" x 126" | 120" x 126" |
| 1/64" (0.0156) | 0.3969 | 2,000 / 13.8 | Green | DG05-060-063 | DG05-060-126 |
| 1/32" (0.0312) | 0.7938 | | | DG08-060-063 | DG08-060-126 |
| 1/16" (0.0625) | 1.5875 | | | DG15-060-063 | DG15-060-126 |
| | | | | | |
| 3/32" (0.0937) | 2.3812 | | | DG25-060-063 | DG25-060-126 |
| 1/8" (0.1250) | 3.1750 | | | DG30-060-063 | DG30-060-126 |
| 3/16" (0.1875) | 4.7625 | | | DG30-060-063 | DG30-060-126 |

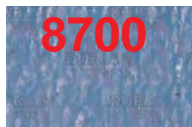
8600 Aramid Inorganic Fiber / SBR Binder



: High quality gasket material containing high strength aramid and inorganic fibers bonded with SBR rubber. An excellent choice for Steam or services where a White Gasket material is required.
 : **Temperature** -100 to 700°F (-73 to 371°C) **Intermittent** 548°F (287°C)

| Gauge | Tensile | Colour | Sheet Sizes | DUR- | |
|----------------|---------|--------------|-------------|--------------|--------------|
| Inch | mm | PSI / MPa | 60" x 63" | 60" x 126" | 120" x 126" |
| 1/64" (0.0156) | 0.3969 | 1,800 / 12.4 | White | GY05-060-063 | GY05-060-126 |
| 1/32" (0.0312) | 0.7938 | | | GY08-060-063 | GY08-060-126 |
| 1/16" (0.0625) | 1.5875 | | | GY15-060-063 | GY15-060-126 |
| | | | | | |
| 3/32" (0.0937) | 2.3812 | | | GY25-060-063 | GY25-060-126 |
| 1/8" (0.1250) | 3.1750 | | | GY30-060-063 | GY30-060-126 |

8700 Aramid Inorganic Fiber / Neoprene Binder



: High performance compressed gasket material for use in processes that require a neoprene bonded sheet. Excellent for Steam, Oils and Refrigeration Services..
 : **Temperature** -100 to 700°F (-73 to 371°C) **Intermittent** 548°F (287°C)

| Gauge | Tensile | Colour | Sheet Sizes | DUR- | |
|----------------|---------|--------------|-------------|--------------|--------------|
| Inch | mm | PSI / MPa | 60" x 63" | 60" x 126" | 120" x 126" |
| 1/64" (0.0156) | 0.3969 | 1,500 / 10.3 | Blue | BE05-060-063 | BE05-060-126 |
| 1/32" (0.0312) | 0.7938 | | | BE08-060-063 | BE08-060-126 |
| 1/16" (0.0625) | 1.5875 | | | BE15-060-063 | BE15-060-126 |
| | | | | | |
| 3/32" (0.0937) | 2.3812 | | | BE25-060-063 | BE25-060-126 |
| 1/8" (0.1250) | 3.1750 | | | BE30-060-063 | BE30-060-126 |



Sheet Packing Material

9000 PTFE / Inorganic Filler



: Used extensively in Chemical, Pulp & Paper, Food & Beverage & the Railroad Tankcar Industries. It has been tested & approved for Liquid Chlorine, Caustics, Liquid Oxygen, & High Purity applications in the Pharmaceutical Industry designed for applications where resistance to Highly Aggressive Chemicals is required. 9000 Conform to FDA requirements. : Temperature -350 to 520°F (-212 to 271°C)

Table with 7 columns: Gauge (Inch/mm), Tensile (PSI/MPa), Colour, Sheet Sizes, DUR- (60" x 60"/60" x 126"), and empty columns. Rows include gauges 1/64", 1/32", 1/16", 3/32", and 1/8" with corresponding sheet sizes like TB05-060-060 and TB15-060-126.

9200 PTFE / Barium Sulfate Filler



: PTFE gasket material designed for use in Aggressive Chemicals. Including Caustics, Hydrogen Peroxide, Sodium Hypochlorite, Nitric Acid, Liquors & Digester in Pulp & Paper Service. Applications In the Chemical, Pharmaceutical & Plastics Industries include Butadiene, Hydrofluoric Acid, Vinyl Chloride, Methyl Methacrylates, & Styrene. It is also used extensively in Railroad Tankcar applications. : Temperature -350 to 520°F (-212 to 271°C)

Table with 7 columns: Gauge (Inch/mm), Tensile (PSI/MPa), Colour, Sheet Sizes, DUR- (60" x 60"), and empty columns. Rows include gauges 1/64", 1/32", 1/16", 3/32", and 1/8" with corresponding sheet sizes like TW05-060-060 and TW15-060-060.

9600 PTFE Expanded / Barium Sulfate Filler



: Material designed for use in Process Piping & Equipment in Chemical, Pulp & Paper, Food & Beverage & other general industrial applications where resistance to highly aggressive chemicals is required. : Temperature -350 to 600°F (-212 to 316°C)

Table with 7 columns: Gauge (Inch/mm), Tensile (PSI/MPa), Colour, Sheet Sizes, DUR- (60" x 60"), and empty columns. Rows include gauges 1/16", 3/32", and 1/8" with corresponding sheet sizes like EX15-060-060 and EX30-060-060.



Packing Material

188CSR Silica Fabric Heat & Arbasion Resistant



: Silica Fabrics are used for safeguarding personnel and equipments against extreme temperature, sparks, and molten metals. They are hydrocarbon coated except pre-shrunk. It decomposes at high temperatures, and generates virtually no smoke or fumes.
 : **Temperature** 1,800°F (982°C) Melting Point 3,000°F (1,649°C)

| Gauge | | Tensile | Colour | Sheet Sizes | GLC- | | |
|-------|------|-----------|--------|-------------|------|--|--|
| Inch | mm | PSI / MPa | | 36" x 150' | | | |
| 0.054 | 1.37 | N/A | Tan | CLT0188CSR | | | |

Tacky Gasket Cloth



: Manufactured from fiberglass yarn that has been twisted for strength and density, and then coated with an uncured natural rubber. Great for low pressure gasket applications with service temperatures to 500° F. This is the base fabric used for manufacturing folded boiler gaskets, folded boiler tape and tadpole seals.
 : Also available - This material can be laminated to achieve various thicknesses and lightly dusted with graphite or PTFE coated.
 : **Temperature** 500°F (260°C)

| Gauge | | Number of | Colour | Sheet Sizes | GLC- | | |
|----------------|--------|-----------|--------|-------------|------|--|--|
| Inch | mm | Plies | White | 40" x 150' | | | |
| 1/16" (0.0625) | 1.5875 | 1 | | CL3000-40 | | | |
| 1/8" (0.1250) | 3.1750 | 2 | | | | | |
| 3/16" (0.1875) | 4.7625 | 3 | | | | | |
| 1/4" (0.2500) | 6.3500 | 4 | | | | | |

Premium Grade Fiberglass Cloth



: Manufactured of texturized fiberglass yarns, Providing high insulation value & excellent personnel protection. Good abrasion resistance and tensile strength.
 : **Temperature** 1000°F (537°C)

| Gauge | | Tensile | Colour | Sheet Sizes | GLC- | | |
|---------------|--------|-----------|--------|-------------|------|--|--|
| Inch | mm | PSI / MPa | | 40" x 150' | | | |
| 1/8" (0.1250) | 3.1750 | N/A | | GL6000 | | | |

High Temperature Fiberglass Rope



: This knitted rope is fabricated from high quality Fiberglass that will not burn and will withstand continuous exposure to high temperatures. This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable. **Colour** : White
 : **Temperature** 1000°F (537°C)

| Gauge | | Roll Length | GLC- | Gauge | | Roll Length | GLC- |
|---------------|---------|-------------|------------|-----------------|---------|-------------|------------|
| Inch | mm | Feet/Meters | | Inch | mm | Feet/Meters | |
| 1/4" (0.2500) | 6.3500 | 1138 / 346 | 8400002500 | 7/8" (0.8750) | 22.2250 | 1138 / 346 | 8400008750 |
| 3/8" (0.3750) | 9.5250 | 625 / 190 | 8400003750 | 1" (1.0000) | 25.4000 | 625 / 190 | 8400010000 |
| 1/2" (0.5000) | 12.7000 | 375 / 114 | 8400005000 | 1 1/4" (1.2500) | 31.7500 | 375 / 114 | 8400012500 |
| 5/8" (0.6250) | 15.8750 | 250 / 76 | 8400006250 | 1 1/2" (1.5000) | 38.1000 | 250 / 76 | 8400015000 |
| 3/4" (0.7500) | 19.0500 | 205 / 62 | 8400007500 | | | | |

High Temperature Fiberglass Tape



: This Tape is fabricated from high quality Fiberglass that will not burn and will withstand continuous exposure to high temperatures. This material resists most acids and alkalis and is unaffected by most bleaches and solvents. It is highly flexible and conformable. **Colour** : White
: Temperature 1000°F (537°C)

| Gauge | | Roll Lgth | GLC- | | | | | | | |
|----------------|--------|-------------|-------------------|------------|-------------------|-------------------|-------------------|-------------------|-------------------|-------------------|
| Inch | mm | Ft / M | 1" Width | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 6" |
| 1/32" (0.0312) | 0.7938 | 100 / 30.48 | 8501000312 | 8501250312 | 8501500312 | 8502000312 | 8502500312 | 8503000312 | 8504000312 | 8506000312 |
| 1/16" (0.0625) | 1.5875 | 100 / 30.48 | 8501000625 | 8501250625 | 8501500625 | 8502000625 | 8502500625 | 8503000625 | 8504000625 | 8506000625 |
| 1/8" (0.1250) | 3.1750 | 100 / 30.48 | 8501001250 | 8501251250 | 8501501250 | 8502001250 | 8502501250 | 8503001250 | 8504001250 | 8506001250 |
| 1/4" (0.2500) | 6.3500 | 100 / 30.48 | 8501002500 | 8501252500 | 851502500 | 8502002500 | 852502500 | 8503002500 | 8504002500 | 856002500 |

Other widths are available please inquire.

High Temperature Fiberglass Drop Warp Tape (Ladder Tape, Bolt Hole Tape)



: Non-Asbestos Material provides an excellent alternative to commercial asbestos drop Warp Tape. In addition to handling the same application as commercial asbestos, this style provides the additional benefit of higher temperature resistance. Fiberglass yarn, partially woven Center Drop.
Applications : Substitute for bolt hole tape. Gasketing for high temperature, gases. Wherever incombustible material is required. Resistant to many acids, alkalis & fossil fuel fumes. **Colour** : White
: Temperature 1000°F (537°C)

| Gauge | | Roll Lgth | GLC- | | | | | | | |
|----------------|--------|-------------|----------|--------|--------|-------------------|-------------------|-------------------|-------------------|--------|
| Inch | mm | Ft / M | 1" Width | 1 1/4" | 1 1/2" | 2" | 2 1/2" | 3" | 4" | 6" |
| 1/16" (0.0625) | 1.5875 | 100 / 30.48 | P.O.A. | P.O.A. | P.O.A. | P.O.A. | P.O.A. | P.O.A. | P.O.A. | P.O.A. |
| 1/8" (0.1250) | 3.1750 | 100 / 30.48 | P.O.A. | P.O.A. | P.O.A. | 8502001251 | 8502501251 | 8503001251 | 8504001251 | P.O.A. |
| 1/4" (0.2500) | 6.3500 | 100 / 30.48 | P.O.A. | P.O.A. | P.O.A. | P.O.A. | P.O.A. | P.O.A. | P.O.A. | P.O.A. |

Sizes other than those shown are available upon request.

Grafoil Universal Gasket Tapes



: **Grafoil Gasket / Ribbon-Pack** made from corrugated Flexible Graphite is a versatile product with universal application. It is designed to provide the user with the flexibility to form all graphite endless rings for any size pump or valve stuffing box. With
: Grafoil Ribbon-Pack, leak-tight stuffing box seals can be achieved in place, significantly reducing production downtime. Because of its application flexibility, large inventories of packing products in varying sizes and shapes can be substantially reduced. made from .015" thick sheet & is available in widths of : 1/4, 1/2, 3/4, 1, 1 1/2" & lengths of 25, 50, & 100' feet.
Applications :
Colour : Black/Silver
: Temperature -400°F to 3000°F ()

| Gauge | | Colour | Lengths | Width | LAM- | | | |
|----------------|--------|--------------|---------|------------|------------|------------|------------|------------|
| Inch | mm | | | 1/4" | 1/2" | 3/4" | 1" | 1 1/2" |
| 1/64" (0.0156) | 0.3969 | Black/Silver | 25' | 6200006390 | 6200006393 | | | |
| | | | 50' | | | 6200006397 | 6200006275 | 6200000099 |
| | | | 100' | | | | | |
| | | | | | | | | |
| | | | | | | | | |

Sizes other than those shown are available upon request.



| Part # | Page | Packing / With Fill | 1/8" | 3/16" | 1/4" | 5/16" | 3/8" | 7/16" | 1/2" | 9/16" | 5/8" | 3/4" | 7/8" | 1" | PH | SPEED FPM | TEMP °F | TEMP °F STEAM | PSI VALVES | PSI Pumps | Part # |
|----------|------|--------------------------------------|-------|-------|-------|-------|------|-------|------|-------|------|------|------|----|------|--------------|---------|------------------|---------------|--------------|----------|
| 50 | | Carbon yarn / PTFE | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 3000 | 600 | | | 500 | 50 |
| 90 | | Carbon yarn / Graphite | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 4000 | 850 | 1200 | 2500 | 500 | 90 |
| 154 | | PTFE / PTFE | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 1000 | 500 | | 3000 | 300 | 154 |
| 154FDA | | PTFE FDA | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 1500 | 500 | | 2000 | 300 | 154FDA |
| 154S | | PTFE / Lubricant | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 1500 | 500 | | | 300 | 154S |
| 156 PTFE | | PFTE Tape | √ | -- | √ | -- | -- | -- | -- | -- | -- | -- | -- | -- | 0-14 | | 500 | | | 300 | 156 PTFE |
| 160 | | Graphite / Graphite | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 4000 | 850 | 1200 | 2500 | 500 | 160 |
| 165 | | PTFE / Graphite | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 4300 | 550 | | | 300 | 165 |
| 165K | | PTFE / Graphite / Aramid | -- | -- | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 2-12 | 2500 | 550 | | | 300 | 165K |
| 165LA | | PTFE / Graphite | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 4300 | 550 | | | 300 | 165LA |
| 170 | | Aramid fiber / Lubricant | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 3-11 | 1900 | 500 | | | | 170 |
| 182 | | Aramid fiber / PTFE | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 2-12 | 2250 | 500 | | | 500 | 182 |
| 525T | | Flax fiber / PTFE | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 4-9 | 1500 | | | | 200 | 525T |
| 528 | | Flax fiber / Tallow / Wax | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 5-9 | 1200 | | | | 150 | 528 |
| 531 | | Flax fiber / Lubricant / Graphite | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 5-9 | 1200 | | | | 150 | 531 |
| 1100CR | | Graphite / Carbon fibers | -- | -- | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 4000 | 1050 | 1250 | | 300 | 1100CR |
| 1100 I | | Graphite / Inconel wire | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | | 850 | 1200 | | 3000 | 1100 I |
| 1100TCP | | Graphite | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 4000 | 850 | 1200 | | 3000 | 1100TCP |
| 1152 | | Syntex fiber / PTFE | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-12 | 2200 | 500 | | | 500 | 1152 |
| 1152K | | Syntex / PTFE / Aramid fiber | -- | -- | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 3-12 | 220 | 500 | | | 500 | 1152K |
| 1162 IB | | Syntex fiber / PTFE | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 2-10 | 2000 | 500 | | | 300 | 1162 IB |
| 1190 | | Special fibers / PTFE / Lubricant | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-13 | 1500 | 500 | | | 500 | 1190 |
| 1398 | | Syntex fiber / lubricant | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 4-10 | 1500 | 500 | | | 300 | 1398 |
| 1414 | | Carbon Yarn / Inconel Wire | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 1-12 | | | 1200 | | 2500 | 1414 |
| 1416 | | Fiberglass Fiber | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 2-11 | | 1000 | | | | 1416 |
| 1416 IB | | Fiberglass Fiber | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 2-11 | | 1000 | | | | 1416 IB |
| 1430 | | Syntex Fiber / Lubricant / Graphited | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 4-10 | 1500 | 500 | | | 300 | 1430 |
| 2000 | | Meta-Aramid / PTFE / Lubricant | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 4-10 | 1500 | 500 | | | 300 | 2000 |
| 3165 | | PTFE / Graphite Fibers | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | √ | 0-14 | 4500 | 550 | | | 300 | 3165 |
| 4100 | | PTFE Virgin Expanded | 3/32" | 5/32" | 7/32" | 9/32" | -- | -- | -- | -- | -- | -- | -- | -- | 0-14 | | 450 | | | | 4100 |
| 4200 | | PTFE Virgin Expanded | √ | √ | √ | -- | √ | | √ | -- | √ | √ | -- | √ | 0-14 | | 450 | | | | 4200 |



| Cross Reference Packings | Norwesco | Albion | Chesterton | JM Clipper | John Crane | Garlock | New England Braiding | Sepco | 3-R | AR Thompson | TEADIT | UTEX |
|--|----------|---------------|---------------|---------------|------------|-------------------|----------------------|-----------------|-----------|-----------------|----------------|---------|
| 160 Journal (asbestos & PTFE) | | 160 | 322 / 1722 | CT-1 | | 5860 / 5862 | | | 715 | | | |
| 231 (Extruded Teflon) | 4100 | 231 | Valvelon | ex- Mansville | Zip Joint | Plasti-pak | | Valve Pak | 765 | | 24A | |
| 317 (asbestos & graphite) square braid | | 361 | | | | 234 | | | 775 | | | |
| 362 (asbestos & graphite) Translok braid | | 362 | | CG-1 | | 733 | | | | | | |
| 380 (Flax + grease) | 528 | 114 | 329 Stern-Lon | CW-2 | | 18 / 31 | 180 | 2 | 705 / 710 | Stern-Pac | | 155 |
| 809 HP valve packing (asbestos) | | 303 | 1500 | VG-1 | 187-I | 127 | | | 770 | | | |
| 900 (carbon & PBI corners) | | 900 | | | | PP 5000-PBI | | | | Chem-One | | |
| 1000 (carbon & PTFE) | | | 477-1T | | | | | | | | | |
| 1120 Food grade PTFE | 154 FDA | 167 F.G. | 1725 | CF-1 | 715 | 5900/5904 | 110-P | ML2236 FDA | 732 | | 2006 FDA | 245 |
| 1121 (Pure PTFE) | 154 | 169 | 1724 / 324 | VX-2 | C1050 | 5888 | 98 | ML2254 | 720 | Pure Pac | 2005 | 232 |
| 1123 (Pure PTFE HS) | 154-S | 172 | 328 | CX-1 | C1045 | 5889 | 100 | ML2235 / ML2238 | 725 | Chem-4 | 2006-S | 231 |
| 1130 (PTFE tape) | | | | | C1050G | | | | | | | |
| 1140 (GFO) | 165 | 174 GFO | 1750 | | | 4300 / 5100 | 102 | ML4002 | 730GFO | Chem-2 | N/A | 210 |
| 1140 Nomex (GFO) | | | | C-26 | | | 274 / 201 | | | | | |
| 1200 Pure exfoliated & expanded Graphite | 1100 TCP | Thermograf | 1400 | | N/A | 1300 | 702 | N/A | 746 | | 2000 | |
| 1220 Flexible graphite & Inconel | | Thermograf-I | 1600 | | 387 | 1303 | | | | | | |
| 1250 Carbon Reinforced flexible graphite | 1100 CR | Thermograf-CR | 1400R | | N/A | 1304 / 1306 | 7800 | N/A | 795 | | 2202 | 687 |
| 1342 (Pure Graphite) | 160 | 182 | 1 / 2. | AF-1 | 1625G | G100/G200 | 707-L | ML4444/ML4500 | 745 | HS 4000 | 2001 | 229 |
| 2000 (carbon & Graphite) | | | 477-1 | | | 88 | | | | | | |
| 2280 (PTFE & Graphite) | 3165 | 174 | 1760 | | C1065 | 4200 / PM6 | | ML8002 | 730 EG2 | | 2007 | 244 |
| 3400 (95% H.P. Carbon) | 90 | 185 | 370 | | 1630G | 98 | | ML4460 | 799 | HS 3000 | 2002 | 226 |
| 3425 CARPAK (Carbon & PTFE) | 50 | 183 | 1738/ 375 | V44 | 1655C | PP 5000-C | 706 | ML4461 | 750 | Chem-3 | 2103-T / 2012 | 228 |
| 3450 (Carbon/Graphite/Inconel) | | 187 | 401 | C-19 / VG-2 | | 1298 | 727-L | | | | 2002-I | |
| 3451 Non Asbestos Valve Packing | 1414 | 415 | 1800 | | 287-I | 127AFP / 1200 | | 310 | 771 | GV1200 / PV1200 | | 683 |
| 4010 Kynol & PTFE | 1190 | | 1727 | | | 1850 | | 2400 | | | | 248 |
| 4025 Nomex & PTFE | | | 1730 | | | | 106 | | | | | |
| 4029 (Kevlar) | 170 | 181 | 1740 | AFS317 | K1730 | 5200 | 152 | ML4800 | 740 | SS 78 | 2004 | 212 |
| 4039 (Spun Aramid & PTFE) | 182 | 261 | | C-67 | K1760 | 5960 | | ML6225A | 742 | | 2044 | 220 |
| 4040 (Flax & PTFE) | 525-T | 184 | 1729 | | 867 | 5413 | 185 | 219 | 755 | | 2138 | 201 |
| 4259 Slurry | | | | | 1345 | | | | 782 | | | |
| 5017 Non Asbestos & Graphite | 1430 | 363 | N/A | | 1340 | 8909 / 234AFP | | 402 | | | | 233 |
| 5019 Non Asbestos & Graphite | 1398 | 463 | N/A | | 1340 | 7330 / 8913 | | ML402 / ML6402 | | GS 500 | 2255 | 236 |
| 5050 (Surface impregnated PTFE) | 1162 | 161 | 1710/412-W | | | 5801 / PM1 / 8913 | | | | | 2018/2019 | |
| 5059 (Each strand with PTFE) | 1152 | | | C-49 | 1330/1335 | 5801/5860AFP | 142 | ML2225 | 790 | GC 89 | | 238 |
| 5079 (GFO & Kevlar) | 165-K | 174KE | N/A | | C1064 | 4100 / 5100K | 104 | ML4004 / ML8004 | 780 | PC 87 / GS 90 | 2017/2060/2070 | 217 |
| 5089 (PTFE & Kevlar corners) | | | | | | | 200 | ML2225A | | | 2003 | |
| GRAF-TAPE (Expanded Graphite Tape) | 1000 GRT | Allgraph | 5200 GTP | | 255 | Graph-Lock | | | | | 2551 | TEXFOIL |



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. - **Construction:** Interlock Braid

Temperature: To 600°F (315°C)
pH: 0-14
Speed: 3000 FPM
Pressure: Pumps-To 500 PSI (35 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 72 | 1 or 2 | 50-02 |
| 3/16" | 43 | 1 or 2 | 50-03 |
| 1/4" | 25 | 1 or 2 | 50-04 |
| 5/16" | 17 | 2 | 50-05 |
| 3/8" | 12 | 2 or 5 | 50-06 |
| 7/16" | 9 | 5 | 50-07 |
| 1/2" | 7.5 | 5 | 50-08 |
| 9/16" | 5.5 | 5 | 50-09 |
| 5/8" | 4.6 | 5 | 50-10 |
| 3/4" | 3.2 | 5 or 10 | 50-12 |
| 7/8" | 2.1 | 10 | 50-14 |
| 1" | 1.8 | 10 | 50-16 |



Style 90 : Carbon yarn packing impregnated with graphite dispersion. For severe services in pump and valve applications, including super-heated steam, acids, alkalis, etc. **Construction:** Interlock Braid

Temperature: To 850°F - atmosphere (455°C)
Temperature: To 1200°F - steam (650°C)
pH: 0-14
Speed: 4000 FPM
Pressure: Pumps-To 500 PSI (35 bar)
Pressure: Valves-To 2500 PSI (170 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 160 | 1 or 2 | 90-02 |
| 3/16" | 58 | 1 or 2 | 90-03 |
| 1/4" | 39 | 1 or 2 | 90-04 |
| 5/16" | 21 | 2 | 90-05 |
| 3/8" | 15.3 | 2 or 5 | 90-06 |
| 7/16" | 11.7 | 5 | 90-07 |
| 1/2" | 8.8 | 5 | 90-08 |
| 9/16" | 7.8 | 5 | 90-09 |
| 5/8" | 6 | 5 | 90-10 |
| 3/4" | 4.1 | 5 or 10 | 90-12 |
| 7/8" | 3 | 10 | 90-14 |
| 1" | 2.2 | 10 | 90-16 |



Style 154 : PTFE packing with PTFE dispersion. A dense firm packing used in valve and slow speed pump applications. Excellent chemical resistance. - **Construction:** Interlock Braid

Temperature: To 500°F (260°C)
pH: 0-14
Speed: 1000 FPM
Pressure: Pumps-To 300 PSI (20 bar)
Pressure: Valves-To 2000 PSI (140 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 74 | 1 | 154-02 |
| 3/16" | 32 | 1 | 154-03 |
| 1/4" | 20.6 | 2 | 154-04 |
| 5/16" | 13.5 | 2 | 154-05 |
| 3/8" | 9.5 | 2 or 5 | 154-06 |
| 7/16" | 7 | 5 | 154-07 |
| 1/2" | 5.5 | 5 | 154-08 |
| 9/16" | 4.1 | 5 | 154-09 |
| 5/8" | 3.3 | 5 | 154-10 |
| 3/4" | 2.5 | 10 | 154-12 |
| 7/8" | 2 | 10 | 154-14 |
| 1" | 1.8 | 10 | 154-16 |



Style 154 FDA: Food Grade FDA PTFE filament, food grade, interlock braid with break-in lube. - **Construction:** Interlock Braid

Temperature: To 500°F (260°C)
pH: 0-14
Speed: 1500 FPM
Pressure: Pumps-To 300 PSI (20 bar)
Pressure: Valves-To 2000 PSI (140 bar)
Construction: Interlock Braid

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|-----------|
| 1/8" | 72 | 1 | 154FDA-02 |
| 3/16" | 31 | 1 | 154FDA-03 |
| 1/4" | 19.4 | 2 | 154FDA-04 |
| 5/16" | 12.5 | 2 | 154FDA-05 |
| 3/8" | 9 | 2 or 5 | 154FDA-06 |
| 7/16" | 7 | 5 | 154FDA-07 |
| 1/2" | 5.1 | 5 | 154FDA-08 |
| 9/16" | 4.1 | 5 | 154FDA-09 |
| 5/8" | 3.3 | 5 | 154FDA-10 |
| 3/4" | 2.3 | 10 | 154FDA-12 |
| 7/8" | 1.7 | 10 | 154FDA-14 |
| 1" | 1.2 | 10 | 154FDA-16 |



Style 154 S : PTFE packing treated with an inert lubricant. A soft and resilient packing for chemical pump and valve applications.
Construction: Interlock Braid

Temperature: To 500°F (260°C)
pH: 0-14
Speed: 1500 FPM
Pressure: To 300 PSI (20 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 72 | 1 | 154S-02 |
| 3/16" | 31 | 1 | 154S-03 |
| 1/4" | 19.4 | 2 | 154S-04 |
| 5/16" | 12.5 | 2 | 154S-05 |
| 3/8" | 9 | 2 or 5 | 154S-06 |
| 7/16" | 7 | 5 | 154S-07 |
| 1/2" | 5.1 | 5 | 154S-08 |
| 9/16" | 4.1 | 5 | 154S-09 |
| 5/8" | 3.3 | 5 | 154S-10 |
| 3/4" | 2.3 | 10 | 154S-12 |
| 7/8" | 1.7 | 10 | 154S-14 |
| 1" | 1.2 | 10 | 154S-16 |



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.
Construction: Interlock Braid

Temperature: To 850°F (455°C) - Atmosphere
Temperature: To 1200°F (650°C) - Steam
pH: 0-14
Speed: 4000 FPM
Pressure: Pumps-To 500 PSI (35 bar)
Pressure: Valves-To 2500 PSI (170 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 210 | 1 or 2 | 160-02 |
| 3/16" | 68 | 1 or 2 | 160-03 |
| 1/4" | 45 | 1 or 2 | 160-04 |
| 5/16" | 24 | 2 | 160-05 |
| 3/8" | 17 | 2 or 5 | 160-06 |
| 7/16" | 12.6 | 5 | 160-05 |
| 1/2" | 11 | 5 | 160-08 |
| 9/16" | 9.6 | 5 | 160-09 |
| 5/8" | 7.5 | 5 | 160-10 |
| 3/4" | 5.3 | 5 or 10 | 160-12 |
| 7/8" | 3.7 | 10 | 160-14 |
| 1" | 2.5 | 10 | 160-16 |



Style 156 PTFE Braided Tape :

Use with glass, FRP or metal flanges and applications where a highly compressible, chemically resistant gasket is required.

Construction: Flat Tape Braid

Temperature: To 500°F (260°C)
pH: 0-14
Pressure: Pumps-To 300 PSI (20 bar)
Construction: Flat Braid Tape

| Size Inch | FT/Lbs | lbs./box | Part # |
|---------------|--------|----------|---------------|
| 1/8" x 1/2" | 14.5 | | 156PTFE-02-08 |
| 1/8" x 1" | 7.2 | | 156PTFE-02-16 |
| 1/4" x 3/4" | 8.0 | | 156PTFE-04-12 |
| 1/4" x 1" | 4.7 | | 156PTFE-04-16 |
| 1/4" x 1 1/4" | 3.7 | | 156PTFE-04-20 |
| 1/4" x 1 1/2" | 3.4 | | 156PTFE-04-24 |
| 1/4" x 2" | 2.3 | | 156PTFE-04-32 |



Style 165 : Graphite filled PTFE fiber packing that improves thermal conductivity and will not harden. 100% GFO®.

Construction: Interlock Braid

Temperature: To 550°F (285°C)
pH: 0-14
Speed: 4300 FPM
Pressure: Pumps-To 300 PSI (20 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 69 | 1 | 165-02 |
| 3/16" | 36 | 1 | 165-03 |
| 1/4" | 21 | 2 | 165-04 |
| 5/16" | 14 | 2 | 165-05 |
| 3/8" | 10 | 2 or 5 | 165-06 |
| 7/16" | 7 | 5 | 165-05 |
| 1/2" | 5.7 | 5 | 165-08 |
| 9/16" | 4.5 | 5 | 165-09 |
| 5/8" | 3.5 | 5 | 165-10 |
| 3/4" | 2.5 | 10 | 165-12 |
| 7/8" | 1.9 | 10 | 165-14 |
| 1" | 1.5 | 10 | 165-16 |



Style 165 K : Unique packaging combining PTFE graphite with aramid corners. Aramid corners prevent rolls and extrusion. Excellent service packing in severe pump applications. Widely used in paper mills - **Construction:** Interlock Braid

Temperature: To 550°F (285°C)
pH: 2-12
Speed: 2500 FPM
Pressure: To 300 PSI (20 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | --- | --- | --- |
| 3/16" | --- | --- | --- |
| 1/4" | 22 | 2 | 165K-04 |
| 5/16" | 13.1 | 2 | 165K-05 |
| 3/8" | 9.5 | 2 OR 5 | 165K-06 |
| 7/16" | 6.6 | 5 | 165K-05 |
| 1/2" | 5.7 | 5 | 165K-08 |
| 9/16" | 4.2 | 5 | 165K-09 |
| 5/8" | 3.3 | 5 | 165K-10 |
| 3/4" | 2.6 | 10 | 165K-12 |
| 7/8" | 1.8 | 10 | 165K-14 |
| 1" | 1.5 | 10 | 165K-16 |



Style 165 LA : Graphite filled PTFE fiber with excellent thermal conductivity and will not harden. An economical substitute for Style 165. **Construction:** Interlock Braid

Temperature: To 550°F (285°C)
pH: 0-14
Speed: 4300 FPM
Pressure: Pumps-To 300 PSI (20 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|----------|
| 1/8" | 69 | 1 | 165LA-02 |
| 3/16" | 36 | 1 | 165LA-03 |
| 1/4" | 21 | 2 | 165LA-04 |
| 5/16" | 14 | 2 | 165LA-05 |
| 3/8" | 10 | 2 OR 5 | 165LA-06 |
| 7/16" | 7 | 5 | 165LA-05 |
| 1/2" | 5.7 | 5 | 165LA-08 |
| 9/16" | 4.5 | 5 | 165LA-09 |
| 5/8" | 3.5 | 5 | 165LA-10 |
| 3/4" | 2.5 | 10 | 165LA-12 |
| 7/8" | 1.9 | 10 | 165LA-14 |
| 1" | 1.5 | 10 | 165LA-16 |



Style 170 : Aramid fiber packing with an inert lubricant. Extremely durable, highly abrasive resistant packing. Ideal for slurry service. **Construction:** Interlock Braid

Temperature: To 500°F (260°C)
pH: 3-11
Speed: 1900 FPM
Pressure: 500 PSI (35 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 78 | 1 | 170-02 |
| 3/16" | 37 | 1 | 170-03 |
| 1/4" | 22 | 2 | 170-04 |
| 5/16" | 16.5 | 2 | 170-05 |
| 3/8" | 11.4 | 2 OR 5 | 170-06 |
| 7/16" | 8 | 5 | 170-05 |
| 1/2" | 6 | 5 | 170-08 |
| 9/16" | 4.9 | 5 | 170-09 |
| 5/8" | 3.6 | 5 | 170-10 |
| 3/4" | 2.6 | 10 | 170-12 |
| 7/8" | 2.3 | 10 | 170-14 |
| 1" | 1.6 | 10 | 170-16 |



Style 182 : Spun aramid fiber impregnated with PTFE dispersion and break-in lubricant. Ideal for valves and pumps in abrasive service. **Construction:** Interlock Braid

Temperature: To 500°F (260°C)
pH: 2-12
Speed: 2250 FPM
Pressure: 500 PSI (35 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 75 | 1 | 182-02 |
| 3/16" | 35 | 1 | 182-03 |
| 1/4" | 20 | 2 | 182-04 |
| 5/16" | 18 | 2 | 182-05 |
| 3/8" | 10 | 2 OR 5 | 182-06 |
| 7/16" | 8 | 5 | 182-05 |
| 1/2" | 6 | 5 | 182-08 |
| 9/16" | 5 | 5 | 182-09 |
| 5/8" | 3.8 | 5 | 182-10 |
| 3/4" | 2.4 | 10 | 182-12 |
| 7/8" | 2.1 | 10 | 182-14 |
| 1" | 1.7 | 10 | 182-16 |



Style 525 T : 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. - **Construction:** Square Braid

Temperature: To 250°F (120°C)
pH: 4-9
Speed: 1500 FPM
Pressure: To 200 PSI (15 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 120 | 2 | 525T-02 |
| 3/16" | 50 | 2 | 525T-03 |
| 1/4" | 30 | 5 | 525T-04 |
| 5/16" | 20 | 5 | 525T-05 |
| 3/8" | 15 | 5 or 10 | 525T-06 |
| 7/16" | 10 | 5 or 10 | 525T-05 |
| 1/2" | 8.6 | 5 or 10 | 525T-08 |
| 9/16" | 6.6 | 5 or 10 | 525T-09 |
| 5/8" | 5 | 5 or 10 | 525T-10 |
| 3/4" | 3.6 | 10 | 525T-12 |
| 7/8" | 2.7 | 10 | 525T-14 |
| 1" | 2.1 | 10 | 525T-16 |



Style 528 : Flax fiber packing lubricated with tallow and wax. Used for brine, cold water and oil service. Ideal for marine applications. **Construction:** Square Plaited

Temperature: To 200°F (105°C)
pH: 5-9
Speed: 1200 FPM
Pressure: To 150 PSI (10 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 139 | 2 | 528-02 |
| 3/16" | 59 | 2 | 528-03 |
| 1/4" | 28 | 5 | 528-04 |
| 5/16" | 21 | 5 | 528-05 |
| 3/8" | 14.8 | 5 or 10 | 528-06 |
| 7/16" | 10.7 | 5 or 10 | 528-05 |
| 1/2" | 8.6 | 5 or 10 | 528-08 |
| 9/16" | 6.5 | 5 or 10 | 528-09 |
| 5/8" | 5.1 | 5 or 10 | 528-10 |
| 3/4" | 3.5 | 10 | 528-12 |
| 7/8" | 2.6 | 10 | 528-14 |
| 1" | 2.3 | 10 | 528-16 |



Style 531 : Flax fiber packing, treated with a petroleum-based lubricant and surface graphited. **Construction:** Square Braid

Temperature: To 220°F (105°C)
pH: 5-9
Speed: 1200 FPM
Pressure: To 150 PSI (10 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|--------|
| 1/8" | 118 | 2 | 531-02 |
| 3/16" | 58 | 2 | 531-03 |
| 1/4" | 33 | 5 | 531-04 |
| 5/16" | 22 | 5 | 531-05 |
| 3/8" | 15 | 5 or 10 | 531-06 |
| 7/16" | 11 | 5 or 10 | 531-05 |
| 1/2" | 9 | 5 or 10 | 531-08 |
| 9/16" | 7.4 | 5 or 10 | 531-09 |
| 5/8" | 5.7 | 10 | 531-10 |
| 3/4" | 3.8 | 10 | 531-12 |
| 7/8" | 2.8 | 10 | 531-14 |
| 1" | 2.3 | 10 | 531-16 |



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. **Construction:** Interlock Braid

Temperature: To 1250°F (650°C) - Steam
Temperature: To 1050°F (565°C) - Atmosphere
pH: 0-14 except strong oxidizers
Speed: 4000 FPM
Pressure: 3000 PSI (200 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|-----------|
| 1/8" | --- | --- | 1100CR-02 |
| 3/16" | --- | --- | 1100CR-03 |
| 1/4" | 33 | 1 or 2 | 1100CR-04 |
| 5/16" | 21 | 2 | 1100CR-05 |
| 3/8" | 14.8 | 2 or 5 | 1100CR-06 |
| 7/16" | 10.5 | 5 | 1100CR-05 |
| 1/2" | 8 | 5 | 1100CR-08 |
| 9/16" | 7.2 | 5 | 1100CR-09 |
| 5/8" | 5.7 | 5 | 1100CR-10 |
| 3/4" | 3.8 | 5 | 1100CR-12 |
| 7/8" | 3.2 | 4 | 1100CR-14 |
| 1" | 2.5 | 3 | 1100CR-16 |



Style 1100 I : Braided from a combination of expanded flexible graphite and inconel wire. 110 I retains dimensional stability in high temperature, high pressure environments, and can meet most VOC emission control regulations. 1100 I was independantly fire tested to API 589 at API 607 temperatures and pressures. - **Construction:** Interlock Braid

Temperature: To 1200°F (650°C) - Steam
Temperature: To 850°F (455°C) - Atmosphere
pH: 0-14 except strong oxidizers
Pressure: 3000 PSI (200 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|----------|
| 1/8" | 110 | 1 | 1100I-02 |
| 3/16" | 50 | 1 | 1100I-03 |
| 1/4" | 30 | 1 OR 2 | 1100I-04 |
| 5/16" | 20 | 2 | 1100I-05 |
| 3/8" | 13 | 2 OR 5 | 1100I-06 |
| 7/16" | 10 | 5 | 1100I-05 |
| 1/2" | 7 | 5 | 1100I-08 |
| 9/16" | 6.4 | 5 | 1100I-09 |
| 5/8" | 5 | 5 | 1100I-10 |
| 3/4" | 3.3 | 10 | 1100I-12 |
| 7/8" | 2.6 | 10 | 1100I-14 |
| 1" | 2 | 10 | 1100I-16 |



Style 1100 TCP : 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 - **Construction:** Interlock Braid.

Temperature: To 1200°F (650°C) - Steam
Temperature: To 850°F (455°C) - Atmosphere
pH: 0-14 except strong oxidizers
Speed: 4000 FPM
Pressure: To 3000 PSI (200 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|------------|
| 1/8" | 103 | --- | 1100TCP-02 |
| 3/16" | 48 | --- | 1100TCP-03 |
| 1/4" | 33 | 1 OR 2 | 1100TCP-04 |
| 5/16" | 20 | 2 | 1100TCP-05 |
| 3/8" | 12 | 2 OR 5 | 1100TCP-06 |
| 7/16" | 10 | 5 | 1100TCP-05 |
| 1/2" | 7 | 5 | 1100TCP-08 |
| 9/16" | 6 | 5 | 1100TCP-09 |
| 5/8" | 5 | 5 | 1100TCP-10 |
| 3/4" | 3.3 | 5 | 1100TCP-12 |
| 7/8" | 2.5 | 4 | 1100TCP-14 |
| 1" | 2 | 3 | 1100TCP-16 |



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. - **Construction:** Interlock Braid

Temperature: To 500°F (260°C)
pH: 0-12
Speed: 2200 FPM
Pressure: To 500 PSI (35 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 80 | 1 | 1152-02 |
| 3/16" | 48 | 1 | 1152-03 |
| 1/4" | 25 | 2 OR 5 | 1152-04 |
| 5/16" | 16.6 | 2 OR 5 | 1152-05 |
| 3/8" | 12 | 2 OR 5 | 1152-06 |
| 7/16" | 8.5 | 5 | 1152-05 |
| 1/2" | 6.4 | 5 | 1152-08 |
| 9/16" | 5.7 | 5 | 1152-09 |
| 5/8" | 3.6 | 5 | 1152-10 |
| 3/4" | 2.6 | 10 | 1152-12 |
| 7/8" | 2.6 | 10 | 1152-14 |
| 1" | 1.7 | 10 | 1152-16 |



Style 1152 K : Unique packing combining 1152 and 170 fibers. Aramid corners prevent roll and extrusion. Well suited for abrasive applications and end rings with other packings. **Construction:** Interlock Braid

Temperature: To 500°F (260°C)
pH: 3-12
Speed: 2200 FPM
Pressure: To 500 PSI (35 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|----------|
| 1/8" | --- | --- | --- |
| 3/16" | --- | --- | --- |
| 1/4" | 25 | 2 OR 5 | 1152K-04 |
| 5/16" | 17 | 2 OR 5 | 1152K-05 |
| 3/8" | 11.7 | 2 OR 5 | 1152K-06 |
| 7/16" | 8.8 | 5 | 1152K-05 |
| 1/2" | 6.8 | 5 | 1152K-08 |
| 9/16" | 5.7 | 5 | 1152K-09 |
| 5/8" | 4.2 | 5 | 1152K-10 |
| 3/4" | 3.2 | 10 | 1152K-12 |
| 7/8" | 2.1 | 10 | 1152K-14 |
| 1" | 1.6 | 10 | 1152K-16 |



Style 1162 IB : Syntex fiber thoroughly impregnated with PTFE, a break-in lubricant is added for start-up. An economical PTFE general service packing. Interlock braid.
Construction: Interlock Braid

Temperature: To 500°F (260°C)
pH: 2-10
Speed: 2000 FPM
Pressure: To 300 PSI (20 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|-----------|
| 1/8" | 80 | 1 | 1162IB-02 |
| 3/16" | 42 | 1 | 1162IB-03 |
| 1/4" | 20 | 2 OR 5 | 1162IB-04 |
| 5/16" | 13 | 2 OR 5 | 1162IB-05 |
| 3/8" | 8.8 | 2 OR 5 | 1162IB-06 |
| 7/16" | 7.6 | 5 | 1162IB-05 |
| 1/2" | 5.7 | 5 | 1162IB-08 |
| 9/16" | 5 | 5 | 1162IB-09 |
| 5/8" | 4.2 | 5 | 1162IB-10 |
| 3/4" | 2.5 | 10 | 1162IB-12 |
| 7/8" | 2.1 | 10 | 1162IB-14 |
| 1" | 1.5 | 10 | 1162IB-16 |



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. - **Construction:** Interlock Braid

Temperature: To 500°F (265°C)
pH: 4-10
Speed: 1500 FPM
Pressure: To 300 PSI (20 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 128 | 2 | 1398-02 |
| 3/16" | 56 | 2 | 1398-03 |
| 1/4" | 31 | 2 | 1398-04 |
| 5/16" | 21 | 2 OR 5 | 1398-05 |
| 3/8" | 16 | 2 OR 5 | 1398-06 |
| 7/16" | 11 | 5 | 1398-05 |
| 1/2" | 8.6 | 5 | 1398-08 |
| 9/16" | 6.7 | 5 | 1398-09 |
| 5/8" | 5.8 | 5 OR 10 | 1398-10 |
| 3/4" | 4 | 10 | 1398-12 |
| 7/8" | 3 | 10 | 1398-14 |
| 1" | 2.1 | 10 | 1398-16 |



Style 1190 : Special 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.
Construction: Interlock Braid

Temperature: To 500°F (260°C)
pH: 0-13
Speed: 1500 FPM
Pressure: To 500 PSI (35 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 80 | 1 | 1190-02 |
| 3/16" | 50 | 1 | 1190-03 |
| 1/4" | 25 | 2 | 1190-04 |
| 5/16" | 19 | 2 OR 5 | 1190-05 |
| 3/8" | 13 | 2 OR 5 | 1190-06 |
| 7/16" | 10 | 5 | 1190-05 |
| 1/2" | 7.4 | 5 | 1190-08 |
| 9/16" | 6 | 5 | 1190-09 |
| 5/8" | 4.6 | 5 | 1190-10 |
| 3/4" | 3.2 | 10 | 1190-12 |
| 7/8" | 2.5 | 10 | 1190-14 |
| 1" | 1.9 | 10 | 1190-16 |



Style 1414 : High temperature carbon yarn with inconel wire braided over a resilient core thoroughly impregnated with graphite and corrosion inhibitor. - **Construction:** Braid over core

Temperature: To 1200°F - Steam (650°C)
pH: 1-12
Pressure: To 2500 PSI (17 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 76 | 1 | 1398-02 |
| 3/16" | 39 | 1 | 1398-03 |
| 1/4" | 25 | 2 OR 5 | 1398-04 |
| 5/16" | 12.6 | 2 OR 5 | 1398-05 |
| 3/8" | 9.4 | 2 OR 5 | 1398-06 |
| 7/16" | 7.1 | 5 | 1398-05 |
| 1/2" | 6 | 5 | 1398-08 |
| 9/16" | 4.4 | 5 | 1398-09 |
| 5/8" | 3.8 | 5 | 1398-10 |
| 3/4" | 2.6 | 10 | 1398-12 |
| 7/8" | 2.1 | 10 | 1398-14 |
| 1" | 1.5 | 10 | 1398-16 |

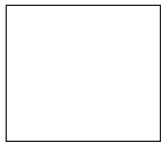


Style 1416 : Texturized fiberglass fiber packing. It is braided dry with no lubricant. Packing will not swell, shrink and is completely incombustible. Used for sealing over doors. Excellent chemical resistance.

Construction: Square Plaited

Temperature: To 1000°F (535°C)
pH: 2-11

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 80 | 1 | 1416-02 |
| 3/16" | 42 | 1 | 1416-03 |
| 1/4" | 20 | 2 OR 5 | 1416-04 |
| 5/16" | 13 | 2 OR 5 | 1416-05 |
| 3/8" | 8.8 | 2 OR 5 | 1416-06 |
| 7/16" | 7.6 | 5 | 1416-05 |
| 1/2" | 5.7 | 5 | 1416-08 |
| 9/16" | 5 | 5 | 1416-09 |
| 5/8" | 4.2 | 5 | 1416-10 |
| 3/4" | 2.5 | 10 | 1416-12 |
| 7/8" | 2.1 | 10 | 1416-14 |
| 1" | 1.5 | 10 | 1416-16 |



Style 1416 IB : Interlock Braided Texturized fiberglass fiber packing. It is braided dry with no lubricant. Packing will not swell, shrink and is completely incombustible. Used for sealing over doors. Excellent chemical resistance.

Construction: Interlock Braid

Temperature: To 1000°F (535°C)
pH: 2-11

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|-----------|
| 1/8" | --- | --- | --- |
| 3/16" | --- | --- | --- |
| 1/4" | --- | --- | --- |
| 5/16" | --- | --- | --- |
| 3/8" | --- | --- | --- |
| 7/16" | --- | --- | --- |
| 1/2" | 8 | 5 or 10 | 1416IB-08 |
| 9/16" | 6 | 5 or 10 | 1416IB-09 |
| 5/8" | 4.2 | 5 | 1416IB-10 |
| 3/4" | 3.3 | 10 | 1416IB-12 |
| 7/8" | 2.5 | 10 | 1416IB-14 |
| 1" | 2 | 10 | 1416IB-16 |



Style 1430 : Syntex fiber packing treated with a high temperature lubricant and graphited. Soft and pliable for general service on pumps and valves.

Construction: Square Plaited

Temperature: To 500°F (260°C)
pH: 4-10
Speed: 1500 FPM
Pressure: To 300 PSI (20 bar)

Available with Moly Lubricant - **STYLE 1430 MOLY**

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 128 | 2 | 1430-02 |
| 3/16" | 56 | 2 | 1430-03 |
| 1/4" | 34 | 2 OR 5 | 1430-04 |
| 5/16" | 22 | 2 OR 5 | 1430-05 |
| 3/8" | 16 | 5 | 1430-06 |
| 7/16" | 12.5 | 5 | 1430-05 |
| 1/2" | 9 | 5 | 1430-08 |
| 9/16" | 6 | 5 or 10 | 1430-09 |
| 5/8" | 5.5 | 5 or 10 | 1430-10 |
| 3/4" | 4 | 10 | 1430-12 |
| 7/8" | 2.6 | 10 | 1430-14 |
| 1" | 2.2 | 10 | 1430-16 |



Style 2000 : Special Meta-Aramid fiber with PTFE and break-in lubricant. Very conformable and abrasive resistant. Highly resistant to degradation and chemical attack. For use in agitators, stock

pumps, mixers, etc.. - **Construction:** Interlock Braid

Temperature: To 500°F (260°C)
pH: 4-10
Speed: 1500 FPM
Pressure: To 300 PSI (20 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 90 | 1 | 2000-02 |
| 3/16" | 50 | 1 | 2000-03 |
| 1/4" | 26 | 2 | 2000-04 |
| 5/16" | 18 | 2 | 2000-05 |
| 3/8" | 10 | 2 or 5 | 2000-06 |
| 7/16" | 8 | 5 | 2000-05 |
| 1/2" | 6.2 | 5 | 2000-08 |
| 9/16" | 5.1 | 5 | 2000-09 |
| 5/8" | 4.1 | 5 | 2000-10 |
| 3/4" | 3.2 | 10 | 2000-12 |
| 7/8" | 2 | 10 | 2000-14 |
| 1" | 1.5 | 10 | 2000-16 |



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.

Construction: Interlock Braid

Temperature: To 550°F (285°C)
 pH: 0-14
 Speed: 4500 FPM
 Pressure: Pumps-To 300 PSI (20 bar)

| Size Inch | FT/Lbs | lbs./box | Part # |
|-----------|--------|----------|---------|
| 1/8" | 63 | 1 | 3165-02 |
| 3/16" | 42 | 1 | 3165-03 |
| 1/4" | 20 | 2 | 3165-04 |
| 5/16" | 12.5 | 2 | 3165-05 |
| 3/8" | 9.3 | 2 OR 5 | 3165-06 |
| 7/16" | 6.8 | 5 | 3165-05 |
| 1/2" | 5.4 | 5 | 3165-08 |
| 9/16" | 4 | 5 | 3165-09 |
| 5/8" | 3.2 | 5 | 3165-10 |
| 3/4" | 2.4 | 10 | 3165-12 |
| 7/8" | 1.7 | 10 | 3165-14 |
| 1" | 1.3 | 10 | 3165-16 |

Flexible Packing Extractors (Hooks)



The perfect labour saving Tools for removing Packings from Stuffing Boxes.

Flexible design allows access around obstructions and in hard-to-get-at areas.

Available in six sizes to meet all requirements.

MURTEC 1398, 12.5" X 10.5" X 5 RINGS
 PACKING SET, MURTEC 1398, 12.5" X 10.5" X 5 RINGS
 Corkscrew bits made of specially tempered tool steel for strength & durability.

| Nominal Length | For Packing | Part # |
|----------------|--------------|--------|
| 7 1/2" | 1/4" - 5/16" | PH-01 |
| 11" | 3/8" | PH-02 |
| 15" | 7/16 - 1/2" | PH-03 |
| 19" | 9/16 - 5/8" | PH-04 |
| 22" | 11/16" - 1" | PH-05 |
| 30" | 1" and Up | PH-06 |



Shim Stock



Colour Coded Shim : Used for gaskets, special parts and in numerous manufacturing applications. High quality plastic material is non-conductive to electricity and has minimal compression during use. It is easy to cut, resists oil and is available in thickness ranging from .0005" to .060" (.013mm to 1.524mm). Each of the thicknesses are represented by various different colors. : Temperature -70°C TO +150°C (-94°F TO +302°F)

Table with 7 columns: Gauge +/- 10%, mm, Width in., Material, Colour, Roll Length Ft., Part # RYD-. Rows include various gauge and width specifications for Polyester material in different colors.

Plastic

Table with 7 columns: Gauge +/- 10%, mm, Width in., Material, Colour, Roll Length In., Part # IGS-. Rows include specifications for Plastic material in Amber, White, and Orange colors.

Mylar

Table with 7 columns: Gauge +/- 10%, mm, Width in., Material, Colour, Roll Length Ft., Part # DUP-. Row includes specification for Mylar material with a width of 100 inches.

Table with 7 columns: Gauge +/- 10%, mm, Width in., Material, Colour, Roll Length In., Part # Shim-. Rows include specifications for Mylar material in Clear color with widths of 54 and 44 inches.