

Braided Packing



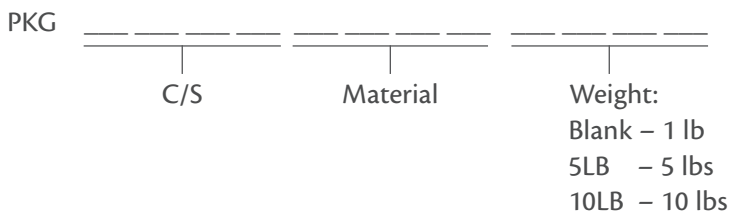
Braided Packing  
Extractors

## Product Description

Braided packing, also referred to as compression or rope packing, is a highly versatile sealing solution for pumps, valves, agitators, and other rotary equipment. Braided packing offers a cost-effective, long lasting, and dependable leakage control system. Once the packing is installed, the axial compression force generated by tightening the adjustable gland produces radial pressure against the sealing surface. Since the packing expands radially when compressed, gland tolerances and surface finishes can be more flexible than some other sealing and packing products.

Braided packing is available in many styles and materials to suit a wide array of application conditions. Hi-Tech Seals distributes braided packing based on weight, measured in pounds. To request a quote, contact one of our sealing professionals today.

## Part Numbers:



**Example:** PKG 375 530L 10LB – 3/8" C/S, Braided Packing style # 530L, 10lbs package.

# Braided Packing

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Style #	Description	Temp. Rating (°C (°F))	pH Rating	Speed Rating (FPM)	Pressure Rating (PSI)	
PTFE	100B	Braided from 100% PTFE filament and impregnated with a PTFE suspensoidal blocking agent. 100B offers a long service life, good chemical resistance, minimal water absorption, and an extremely low coefficient of friction. 100B is recommended for static conditions and is ideal for chemical processing applications.	260 (500)	0 - 14	N/A	2000 (static)
	100BL	Braided from 100% PTFE filament and impregnated with a PTFE suspensoidal blocking agent and break in lubricant. 100BL is ideal for high-speed rotary shaft services. This soft, yet dense and stable packing offers good chemical resistance and very low shaft friction. Can be used in reciprocating applications and various pump services.	260 (500)	0 - 14	1500	300
	100F	Manufactured from 100% PTFE yarn that complies with all FDA requirements. This packing is designed for use in the food and beverage, chemical, and pharmaceutical industries, or in critical applications where the contamination is a concern.	260 (500)	0 - 14	1500	300
	100FL	Made from white hybrid PTFE yarn with a lubricant that complies with FDA requirements. 100FL offers extended service life and minimal shaft friction and scoring. High speed PTFE packing for food service, pharmaceutical, pulp and paper, and chemical industries.	260 (500)	0 - 14	3000	300
	130L	Composed of lubricated PTFE and graphite filaments with self lubricating properties. 130L offers low friction, high heat dissipation, and good chemical resistance. Suited for most general service rotating equipment applications.	288 (550)	0 - 14	4000	300 - Pump 2000 - Valve
	132L	Composed of PTFE and graphite filament yarn, encapsulated in a PTFE matrix; the matrix helps eliminate graphite migration, while the aramid reinforced corners increase abrasion resistance. Suited for valves, pumps, corrosive media, and abrasive environments.	260 (500)	2 - 12	2500	500
Aramid Fibre	210L	Composed from continuous aramid fibres thoroughly impregnated with PTFE and an inert lubricant. 210L packing provides high tensile strength and good abrasion resistance, while also offering excellent braid retention. This packing is non-staining and non-contaminating with good dimensional stability and extrusion resistance. Ideal for various abrasive and slurry services where aggressive media is present.	260 (500)	2 - 12	2500	500
	221L	Manufactured from continuous Meta-aramid filament and impregnated with PTFE and an inert break in lubricant. 221L offers good heat dissipation and abrasion resistance. This packing is non-staining, non-glazing, and non-contaminating. Suited for applications where low leakage and high durability packing is required, such as agitators, mixers, and stock pumps.	260 (500)	1 - 12	2000	300
Graphite	300	Manufactured from high purity graphite, 300 offers maximum sealability under gland pressure and is essentially leak free. 300 is a self-lubricating packing that offers low friction and good heat dissipation. Often used in high temperature pump and valve applications.	*455 (850) **649 (1200) ***3315 (6000)	0 - 14	4000	500 - Pump 3000 - Valve
	307	Made from expanded flexible graphite yarn and reinforced with high strength carbon filaments. 307 is easy to install, durable, self-lubricating, and offers low leakage with increased extrusion resistance. The material blend allows for low shaft wear while maintaining great heat dissipation. Suited for high temperature and high-pressure pump and valve applications.	*455 (850) **649 (1200) ***3315 (6000)	0 - 14	4000	500 - Pump 3000 - Valve
	377	Composed of high purity expanded flexible graphite reinforced with high strength carbon filament. This material combination allows for low wear while maintaining good heat dissipation. 377 is highly durable, self-lubricating, and offers superior extrusion resistance. Often used in high temperature, high speed, and high-pressure applications.	*455 (850) **649 (1200) ***3315 (6000)	0 - 14	4800	500 - Pump 5000 - Valve
	310	Made from high purity graphite with a PTFE dispersion. 310 packing is easy to install, offers good extrusion resistance, and is self-lubricating. The material combination allows for low wear and good durability, while maintaining good heat dissipation. Suited for almost all pump and valve applications.	288 (550)	0 - 14	4000	500

\*Air \*\*Steam \*\*\*Non-Oxidizing Atmosphere

Style #	Description	Temp. Rating (°C (°F))	pH Rating	Speed Rating (FPM)	Pressure Rating (PSI)
310L	Braided from high quality graphite and PTFE filament yarn. A high-speed lubricant is added for quick break in and low friction during operation. 310L is easy to install, offers good extrusion, and chemical resistance. Suitable for valves, centrifugal pumps, high-speed rotary pumps, and reciprocating pumps.	288 (550)	0 - 14	4900	300
312	Braided using a combination of graphite and PTFE fibre filament yarn and aramid reinforced corners. This packing offers extrusion and abrasion resistance that is ideal for an extensive range of abrasive and chemical services. 312 maintains good dimensional stability in various valve and pump applications.	260 (500)	2 - 12	2500	500
330	Made from industrial grade graphite filament and coated with a graphite blend. 330 is an economical substitute for most carbon packings. It offers a low coefficient of friction and high thermal conductivity. Suited for application with aggressive media or high shaft speed. Ideal for valves, centrifugal pumps, rotary pumps, and reciprocating pumps.	*455 (850) **649 (1200) ***3315 (6000)	0 - 14	4000	500 - Pump 4000 - Valve
330B	A high-performance graphite packing that is impregnated with a blocking agent. 330B has a low coefficient of friction and high thermal conductivity. In addition, it offers good chemical resistance and dimensional stability. This packing can withstand extreme pressure and temperatures in environments with aggressive media. Suitable for agitators, pumps, valves, filters, and more.	*455 (850) **649 (1200) ***3315 (6000)	0 - 14	4000	500 - Pump 2500 - Valve
330N	Made from nuclear grade graphite filament and coated with a graphite blend. 330N is designed for nuclear applications, capable of withstanding extreme temperature and pressures while maintaining low friction. This style offers high thermal conductivity and fraying resistance when cut. Can be used in valves, centrifugal pumps, rotary pumps, and reciprocating pumps.	*455 (850) **649 (1200) ***3315 (6000)	0 - 14	4000	500 - Pump 4000 - Valve
310	Braided from 98% purity flexible graphite and Inconel® reinforced. Meets API 589/607 fire test standards. Offers reduced stem friction with high heat extrusion resistance.	*455 (850) **649 (1200) ***1093 (2000)	0 - 14	N/A	4500
310IE	Composed of an Inconel® jacketed, 98% purity flexible graphite. Meets API 589/607 fire test standards and far surpasses API 622 standard for emission requirements. 310IE is a certified low leakage and ultra-low fugitive emission packing. With unique corrosion inhibitors, self-lubricating, and non-scoring qualities, it is a great solution for high temperature and high-pressure valve services and Leak Detection and Repair (LDAR) programs.	*455 (850) **649 (1200) ***1093 (2000)	0 - 14	N/A	6500
410	Composed of a 100% GFO™ fibre within a PTFE matrix to eliminate graphite migration. 410 offers a long service life with a low coefficient of friction. This packing has good water efficiency, thermal conductivity, and great chemical resistance. Suitable for mixers, agitators, valves, centrifugal pumps, rotary pumps, and reciprocating pumps.	288 (550)	0 - 14	4300	300 - Pump 2000 - Valve
510	Composed of acrylic blend that is impregnated with PTFE. 510 is a cost effective, durable, general purpose packing that possesses good chemical resistance and excellent dimensional stability. Designed to withstand a range of fluids in various temperatures, pressures, and speeds. Often used in centrifugal pumps, rotary pumps, and reciprocating pumps.	260 (500)	0 - 12	2200	500
510L	Composed of an acrylic blended fibre impregnated with PTFE and an inert lubricant for extremely low friction. 510L is durable, non-staining, and non-contaminating. This packing provides good chemical resistance and offers great heat dissipation. Designed to withstand a range of fluids in various temperatures, pressures, and speeds. Often used in valves, centrifugal pumps, rotary pumps, and reciprocating pumps.	260 (500)	0 - 12	2500	500
512L	Made from acrylic blended fibre and reinforced with durable aramid corners. 512L is impregnated with PTFE and a lubricant. This packing offers a long service life and excellent abrasion resistance. Ideal for applications with abrasive slurry in valves and pumps.	260 (500)	2 - 12	2200	500
530L	Made from acrylic fibre this packing is impregnated with graphite flakes and high temperature lubricants. 530L is a cost effective packing with low wear. This packing handles a wide range of fluids at various pressures and speeds. Used as a general service packing in steam, water, oil, and other mild environments.	260 (500)	4 - 10	1500	300

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Style #		Description	Temp. Rating (°C (°F))	pH Rating	Speed Rating (FPM)	Pressure Rating (PSI)
Phenolic	610L	610L is made from KYNOL™ filaments and is impregnated with PTFE and an inert break in lubricant. The phenolic fibres help reduce shaft wear and leakage. This packing is suitable for a range of purposes where durable packing is required.	260 (500)	1 - 13	2000	500
	700B	Composed of carbon yarn and impregnated with a blocking agent. 700B offers a good service life and the ability to maintain good heat dissipation. This packing has good chemical resistance, low shaft wear, and offers low abrasion. Ideal for pumps or valves in caustic or corrosive media and is suitable for almost any high speed and high temperature pump or valve application.	315 (600)	0 - 14	3000	500 - Pump 3600 - Valve
Carbon	730B	Composed of carbon yarn and impregnated with a blocking agent and high purity graphite. 730B offers low shaft wear, low leakage, excellent heat dissipation, and good chemical resistance. Often used in caustic or corrosive environments and is suitable for almost any high speed and high temperature pump or valve application.	*455 (850) **649 (1200) ***3315 (6000)	0 - 14	4000	500 - Pump 4350 - Valve
Vegetable Fibre	800L	Braided from a long-lasting blend of flax and ramie fibres and thoroughly lubricated with a blend of tallow and wax. 800L packing provides an economical low friction solution for water pumps, stern tubes, and rudder posts. This packing offers good resistance to cold water, seawater, and cold oils. Often used in pulp and paper, marine, and wastewater markets.	104 (220)	5 - 9	1200	150
	810L	Composed of high-quality flax and ramie yarns which offer corrosion resistance, good braid retention, and a long service life. 810L is impregnated with PTFE and an inert lubricant. Suited for most saltwater and freshwater applications.	121 (250)	5 - 9	1200	200
	830L	Braided from a blend of flax and ramie fibres, this packing is further enhanced with a tallow and wax blend lubricant and then coated with a high purity graphite to further reduce friction. 830L is resistant to cold water, seawater, and cold oils. Used in water pumps, rudder posts, marine applications, pulp and paper, and wastewater markets.	104 (220)	5 - 9	1200	150
Metallic	9A0L	Manufactured from aluminum alloy and lubricated with high viscosity light oil and high purity flake graphite. This packing is designed for services that require low friction and high strength packing. Typically used in boiler feed pumps, heat transfer pumps, and oil charge pumps.	537 (1000)	4 - 10	2000	1000
	9A6L	High quality packing that is composed of aluminum alloy over a soft, high-temperature fibreglass core. 9A6L is lubricated with an oil and flake graphite blend for low friction. 9A6L is a high strength, compressible packing that is available in coil form only. Often used in applications such as boiler pumps, heat transfer pumps, and oil charge pumps.	537 (1000)	4 - 10	2000	1000
	9C0	Made from soft annealed copper. This packing is dense yet flexible which allows for easy installation. 9C0 is designed for use as an anti-extrusion ring.	816 (1500)	4 - 10	1000	1000
	9I6I	9I6I is composed of Inconel® wire inserted fibreglass wrapped over a core. The packing is further enhanced with corrosion inhibitors and a graphite blend coating. 9I6I is an economical solution compared to other more expensive steam packings. Used as a high temperature and high-pressure valve stem or expansion joint packing.	649 (1200)	2 - 13	N/A	3000
	9L0L	Composed of an anti-friction lead alloy and impregnated with low friction lubricant, which reduces shaft wear and increases heat dissipation. 9L0L is great for high pressure applications and for use as end rings or anti-extrusion rings. These qualities make it well suited for high pressure boiler feeders, reciprocating pumps, and rotating pumps.	232 (450)	4 - 10	3600	1000
	9L6L	Composed from anti-friction lead alloy over a fibreglass core. The packing is impregnated with a low friction lubricant to help reduce shaft wear and increase heat dissipation. 9L6L is great for high pressure applications and for use as end rings or anti-extrusion rings. These qualities make it well suited for high pressure boiler feeders, reciprocating pumps, and rotating pumps.	232 (450)	4 - 10	3600	1000

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