

SPECIALITY PERFORMANCE PACKINGS





CHAMPION SEALS (INDIA) PVT. LTD.

www.championseals.in



Asbestos Free Range of Packings, Sealing & Insulation Products.

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CHAMPION Style - 1 Drylon Packing (Dry PTFE Packing)



A premium pure PTFE yarn Packing with no additive or lubricants. This premium packing is resilient, with low coefficient of friction, dimensional stability, with minimum frictional heat.

Service Recommendations:

The packing is chemically inert. It is highly recommended for oxygen service and oxidising media, for PUMPS AND VALVES, MIXERS, agitators, CONCENTRATED acids, alkalies, aggressive vapours and gases. It can also be used in food industry.

Not To Be Used On Molten Alkali Metals And Fluorine.

L	рН	Temperature		₩			—	Size
Γ	0.44	°C	Bar	Bar	m/s	Bar	m/s	mm ²
L	0-14	-200° to +280°	250	20	10	100	1	3-100

CHAMPION Style - 2 Neoflon Packing (Pure PTFE Packing)

The packing is manufactured from PURE PTFE yarn impregnated with PTFE dispersion by a special process. The packing has dimensional stability, high compressibility and low coefficient of friction.

Service Recommendations:

For valve, reciprocating rods, centrifugal pumps, mixers, corrosive gases, acids and alkalies, ammonia, solvents, hydrocarbons, food stuff and pharmaceutical industries.



Not To Be Used Against Fluorine And Alkali Metals.

рН		Temperature	1	8	3		-	Size
0-14		С	Bar	Bar	m/s	Bar	m/s	mm²
0-12	۱ [-210 to +280	240	50	5	150	1	3-100

CHAMPION Style - 3 Ultraflon Packing (Pure PTFE Packing - Lubricated)



This universal pump packing is manufactured from PTFE IMPREGNATED YARN, treated with high temperature resisting lubricant. The packing has compressibility, flexibility, dimensional stability, low coefficient of friction. Fluids can be sealed with minimum of gland pressure and heat built up.

Service Recommendations:

An extremely reliable pump packing for valves, agitators, rotary and reciprocating pumps in highly aggressive chemicals, corrosive liquids, concentrated acids, alkalies, oils, solvents, gases, pharmaceuticals and food

Not Recommended For Molten Alkali Metals, Fluorine Gas.

рН	Temperature	型	₩				Size
0-14	С	Bar	Bar	m/s	Bar	m/s	mm
0-14	-200 to +280	220	20	15	100	2	3-100

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CHAMPION Style - 23 Flurocarb Packing (High Tensile PTFE Graphite)



This packing, constructed from HIGH TENSILE STRENGTH PTFE yarn which incorporates high quality graphite for better heat transfer. The constituents impart improved thermal conductivity, heat dissipation, lubricity, low thermal expansion and low coefficient of friction.

Service Recommendations: The packing is developed for high speed shafts in rotating, reciprocatory and static services, valve stems, slurry and high pressure applications against chemicals, acids and alkalies, oils, pulp and paper etc.

Not Recommended For Fluorides, Molten Alkali Metals, Fuming Nitric Acid, Ammonium Nitrate, Oxygen Or Strong Oxidising Agents.

ı	рН	Temperature		8	₩			
I	0-14	С	Bar	Bar	m/s	Bar	m/s	mm²
I	0-14	-250 to +300	350	25	20	250	3	3-100

CHAMPION Style - 36 Graflon (PTFE graphite Packing)

This versatile high performance packing is plaited from GRAPHITE FILLED EXPANDED PTFE YARN. Due to this unique combination this packing has high thermal conductivity, low coefficient of thermal expansion, lubricity, low friction, minimum shaft wear and universal chemical resistance. The packing is non hardening. Extremely suitable for slurry applications.

Service Recommendations: For centrifugal, rotary pumps, agitators, mixers and low pressure valves, handling chemicals, caustics, acids, solvents, dyes, white and black liquor, oils, pulp and paper, abrasive materials etc.

Not Recommended For Fluorine, Strong Oxidsing Agents, Fuming Nitric Acid, Oleum, Aqua Regia.

	рН	Temperature	弄	8	3		-	Size
Γ	0.14	С	Bar	Bar	m/s	Bar	m/s	mm²
	0-14	-212 to +280	250	25	25	100	3	3-100



CHAMPION Style - 38 Carbosuper (High Purity Carbon Packing)



A high purity carbon filament yarn packing having a good thermal conductivity, flexibility, resiliency, elasticity and low friction.

Service Recommendations:

The packing is for high speed, high temperature and pressure applications in sealing Boiler feed pumps, super heat steam, agitators, mixers, digester, crystallizers, solvents, oils, non oxidising mineral acids and alkalies. It is good valve stem packing.

Not Recommended For Fluorine, Nitric Acid, Aqua Regia And Strong Oxidsiers.

рН	Temperature	型	8	₩			
1-14	С	Bar	Bar	m/s	Bar	m/s	mm²
1-14	-200 to +600	350	75	25	125	2	3-100

CHAMPION Style - 66 Grafosuper (Graphite Filament Packing)



A 100% pure GRAPHITE YARN packing impregnated with a Blocking Agent. GRAPHITE fibers do not harden or glaze at high temperature. With lubricating value of graphite, the packing is frictionless eliminating shaft wear. The packing has high heat conductivity, high temperature resistance and low co-efficient of expansion.

Applications: The packing has excellent chemical resistance. Applications include valves, centrifugal and rotary pumps, mixers, agitators, at high surface speeds, handling aggressive fluids such as acids, alkalies, oils, solvents, steam, hot tar and refinery services.

Not Recommended For Oxygen, Oxidising Environment, Fuming Nitric Acid.

l	рН	Temperature		8	₩			
I	0-14	С	Bar	Bar	m/s	Bar	m/s	mm²
	0-14	-100 to +650	350	35	25	150	2	3-100

CHAMPION Style - 172 Duralon Gland Packing (Aramid PTFE Yarn Combination)

The packing is combination of tough high strength ARAMID fiber yarn on corners and PTFE lubricated yarn on the sides. The positioning of tough ARAMID yarn with negligible friction of PTFE Yarn renders the packing best suited for high pressure rotating and reciprocating applications. The packing constituents have very low thermal expansion, good dimensional stability and creep resistance under high pressure applications.

Service Recommendations: Best for sealing wide range of slurry and high pressure pumps, agitators, valves, mixers, in chemicals, acids, alkalies, most gases, petroleum fertilizers oils, steam, aromatic solvents, ammonia and CARBAMATE services.

-75	4000	100	P. Carlo	100	1	ALC:	8
рН	Temperature	型	6	3		-	Size
2-12	С	Bar	Bar	m/s	Bar	m/s	mm ²
2-12	-200 to +280	250	150	10	250	2	3-100



Not Recommended For Oxygen And Oxidant Alcohols. Preferred Use Against Abrasive Media In Slurries, Mixers And Agitators.

CHAMPION Style -174 Duralon Mechanical Packing (Aramid Impregnated with PTFE)



This Abrasion resistant, inert packing is produced from tough high strength ARAMID fiber filament yarn with each strand fully impregnated with PTFE high temperature resisting lubricants. The packing has flexibility, resiliency, lubricity with excellent thermal and dimensional stability, treating the shaft gently.

Service Recommendations: For abrasive media and slurry applications in valves, mixers, agitators, rotary and reciprocatory applications in solvents, mild acids and alkalies, petrochemicals, paper and pulp, pharmaceuticals.

I	рН	Temperature	五	8	₩			Size
	3-12	С	Bar	Bar	m/s	Bar	m/s	mm²
	3-12	-200 to +300	280	25	25	200	2	3-100

CHAMPION Style -175 Lubricated Aramid Filament Yarn Packing for High Temperature



CHAMPION Style 175 is a unique packing specifically manufactured for abrasive media. This packing is manufactured from a special polymer highly resistant to abrasion. The packing is incorporated with high anti-frictional and inert fluoro polymer lubricants which makes the packing very soft but compact and firm. By incorporating a select run-in-lubricant, the packing becomes highly resilient.

CHAMPION Style 175 is not only capable of resisting abrasion but also is capable of safeguarding the parent equipment from erosion which frequently takes place due to friction between sleeves and conventional hard packing. This packing requires minimum gland adjustment for extreme leakage free performance. ultimately extending operational life and minimizing maintenance cost and down time.

CHAMPION Style 175 can be supplied in rope form as well as in pre-formed ring having single oblique cut. This packing can also be used as a anti extrusion / back-up ring with any other polymer or Fluoro Polymer packing.

Service Recommendations:

Extremely suitable for Ash Slurry, Fly Ash Water, Chemical Slurry, Viscous Chemical Mixed with solid particles, Coal Dust or any other Abrasive Media.

Applications:

Pump Stuffing Box, Valve Gland, Agitator, Mixer, Clinker Grinder etc...

рН	Temperature		8	₩		—	Size
0-13	С	Bar	Bar	m/s	Bar	m/s	mm²
0-13	-200 to +300	250	25	25	250	2	3-100

CHAMPION Style -176 Kombiflon Packing (PTFE Graphite with Aramid)



A combination of tough ARAMID fiber yarn in the corner and core strands and PTFE GRAPHITE yarn on the seam strands. This structure generates maximum resistance to extrusion; simultaneously the graphite PTFE yarn on the sides of the packing imparts thermal conductivity and lubricity for cooler shaft running.

Service Recommendations:

Highly suitable for applications on abrasive fluids and slurries in centrifugal and reciprocating pump at high temperature and under high pressure for acids, alkalies, organic and inorganic solvents, chemicals, sewage water, oils, gases, paper and pulp mills.

l	рН	Temperature	H	8	₩			Size
ĺ	0.40	С	Bar	Bar	m/s	Bar	m/s	mm
	3-12	-200 to +300	250	20	25	250	2	3-100

Not Recommended For Fluorine, Nitric Acid, Aqua Regia And Strong Oxidsiers.

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CHAMPION Style - 660 Pure Graphite Packing Ring



CHAMPION STYLE 660 is a high purity (99.00% to 99.9% carbon), self lubricating and anti-frictional die molded, pre-formed gland packing ring manufactured from Flexible Pure Graphite Foil. These rings are manufactured in endless form or in 2 halves in oblique cut containing no oil or grease binder / additive of any kind.

CHAMPION STYLE 660 packing ring is totally free from any kind of contamination. For compression resistance and retention of size and shape the rings are manufactured with accurate specific density suitable to the working condition. These packing rings are having high thermal and dimensional stability and extremely low gas / fluid permeability, very low thermal expansion and extremely high chemical resistance. These rings are having low co-efficient of friction (0.08 to 0.1 against steel) and hence, with continuous operation it polishes the stem /

shaft and are therefore non-abrasive in nature.

CHAMPION STYLE 660 Flexible Pure Graphite rings adjust to any irregularities under moderate pressure and have excellent resistance to pressure surge and thermal shock. These packing rings are chemically inert and also fire safe.

CHAMPION STYLE 660 packing ring is having inherent characteristics of basic graphite and hence having high degree of flexibility, compactibility, conformity and resiliency to high temperature applications.

These rings expand radially to form a perfect seal against the shaft and housing. Graphite is an extremely good thermal conductor and as such the packing dissipates heat away from the body leading to a longer life of the packing.

CHAMPION STYLE 660 is also manufactured for nuclear applications with slightly improved chemical properties. These packing rings are stable even under exposure to high doses of nuclear radiation.

Service Recommendations: Super Heated & Saturated steam, Hydro Carbon, Fuel Oil, Lube Oil, all non-oxidizing Liquids and Gases, Dyes and Chemicals.

Not Recommended For Use In Aquaregia, Fuming Nitric Acid, Oleum And Strong Oxidizing Media.

рН		حر	8	3			Size		
0-14	-200°c to 3300° c	-200°c to 600° c	-200°c to 650° c	Bar	Bar	m/s	Bar	m/s	mm ²
0-14	(Non-Oxidising)		(Steam)	300	100	30	200	3	-

CHAMPION Style - 661 Graphite Self Sealing Ring

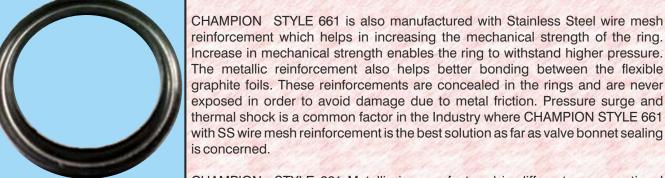


Graphit Self Sealing Ring Pressure Seal ring commonly known as Self Sealing ring is manufactured from high purity Flexible Graphite Foil. As on today, this is the best solution for sealing the Valve Bonnet. These Sealing rings are engineered to specific densities depending on working conditions and with minimum load these can achieve the best sealing effect. In a running plant, there may be some irregularities in the sealing surface of the valve, which can easily be adopted by this flexible Graphite Pressure Sealing rings / Self Sealing rings. The same can be supplied as per customers profile / specifications.

Service Recommendations: Highly recommended for super heated and Saturated steam applications, Hydrocarbons, Fuel oil and Lube oil, Dyes and Chemicals, all non-oxidizing liquids and gases etc.

рН		Temperature		<u>F</u>	6	3		—	Size
0-14	-200°c to 3300°c	-200°c to 600° c	-200°c to 650°c	Bar	Bar	m/s	Bar	m/s	mm²
0-14	(Non-Oxidising)	(Oxidising)	(Steam)		Pressu	ıre 300	Bar Fo	r Static	

CHAMPION Style - 661 Metallic Graphite Self Sealing Ring - High Pressure



CHAMPION STYLE 661 Metallic is manufactured in different cross sectional profile as per the demand of the industry which are normally Angular, Rectangular,

Square or Special ('V' groove / 'U' groove)

Service Recommendations: Super heated and Saturated steam applications, Hydrocarbons, Fuel oil and Lube oil, Dyes and Chemicals, all non-oxidizing liquids and gases etc.

	рН		Temperature				3			Size
	0-14	-200°c to 3300° c	-200°c to 600°c	-200°c to 650°c	Bar	Bar	m/s	Bar	m/s	mm ²
į	0-14	(Non-Oxidising)	(Oxidising)	(Steam)		Pressu	re 450	Bar Fo	r Static	

CHAMPION Style - 663 Graphite Gasket Sheet (1.5 mm/3 mm)



Champion Style 663 is a High Tech Jointing/Gasket Sheet manufactured from Exfoliated Graphite having purity level of 99.0% to 99.9% carbon. These Jointing/Gasket Sheets are free from any kind of contamination and are 100% Asbestos Free.

Champion Style 663 is available in Non-Metallic variety and also available with Metallic Reinforcement.

Sheet Size: 1500 x 1500 mm.

Also available with metallic re-inforcement of SS plain or perforated tanged sheet.

Service Recommendations: Super Heated and saturated steam, all Oxidizing liquids and gases, Oxygen Services, Cryogenic Services, Hydro Carbon, Dyes & Chemicals, Fuel Oil & Lube Oil etc.

Application : Flanges of Pipe, Pump & Valve, Internal Combustion Engines, Compressors, Cylinder Head, Exhaust Manifold etc..

	рН		Temperature				3	-		Size
į	0.11	-200°c to 3300°c	-200°c to 600°c	-200°c to 650°c	Bar	Bar	m/s	Bar	m/s	mm²
1	0-14	(Non-Oxidising)	(Oxidising)	(Steam)			`	n-Metalli Illic) For	,	

CHAMPION Style - 664 Pre Cut Pure Graphite Gasket - (1.5mm / 3mm)



CHAMPION Style - 664 is pre-formed gasket in Non Metallic and also in Metallic (Tanged) version having re-inforcement of (Plain / Perforated) SS Sheet depending on various working conditions.

These gaskets are manufactured from Pure Graphite Sheet having carbon content 99% to 99.9%. These are extremely suitable for high temperature and high pressure applications and are ready to use. They are dimensionally stable under extreme pressure surge and does not age or creep under hot or cold working conditions. "CHAMPION" Style 664 Pure Graphite Gaskets are also highly suitable for Cryogenic services.

Metallic version of "CHAMPION" Style 664 gasket i.e. with re-inforcement of SS sheet is highly suitable for extremely high pressure conditions which also

increases mechanical strength of the gasket. More over this re-inforcement resists blow out at elevated temperatures and Pressure is maintained with air tight sealing during operation. "CHAMPION" Style 664 Pure Graphite Gasket re-inforced with SS perforated sheet have already proved its excellence as a much better substitute to serrated metallic gasket and Spiral wound gasket. These gaskets are commonly known as Tanged gasket.

Service Recommendations: Super Heated and saturated steam, all non-Oxidizing liquids and gases, Oxygen Services, Cryogenic Services, Hydro Carbon, Dyes & Chemicals, Fuel Oil & Lube Oil etc.

Application: Any Type of Flange, Valve bonnet etc.

рН		Temperature		3 5	8	3			Size
0-14	-200°c to 3300° c	-200°c to 600° c	-200°c to 650° c	Bar	Bar	m/s	Bar	m/s	mm²
0-14	(Non-Oxidising)	(Oxidising)	(Steam)			`	n-Metalli ıllic) For	,	

CHAMPION Style - 668 Pure Graphite Braided Packing.



Champion Style 668 is a Expanded Pure Graphite Braided Gland Packing having purity of graphite of 99.5%. This packing is chemically inert, highly resilient with self lubricating low frictional co-efficient and having high thermal conductivity.

This packing is also treated with anti frictional graphite lubricant to accommodate self adjustment on tightening of the gland. This special lubricant also prevents seepage/leakage through the braiding. Further, sacrificial metal corrosion inhibitor is incorporated into the packing to prevent galvanic corrosion of the Sleeves/shaft.

Champion Style 668 enjoys the advantages of a braided packing having high Flexibility / Resiliency and also having all the characteristics of Flexible Pure Graphite i.e. the Packing does not contain oil, grease or binder of any kind. This

packing dissipates heat properly as it is a good thermal conductor leading to its longer, leakage free life.

Service Recommendations: Superheated and saturated steam, Non-oxidising fluids, Dyes and Chemicals, Fuel oil & Lube Oil, Hydrocarbon etc.

Application: Valve Gland and Pump Stuffing Box.

рН		Temperature				3	-	—	Size
0-14	-200°c to 3300° c	-200°c to 600° c	-200°c to 650° c	Bar	Bar	m/s	Bar	m/s	mm²
0-14	(Non-Oxidising)	(Oxidising)	(Steam)	300	100	25	150	2	3-100

CHAMPION Style - 668 Metallic - Pure Graphite Braided Packing - with SS or Inconel Wire.



Champion Style 668 METALLIC Expanded Pure Graphite Braided Packing is manufactured with reinforced Inconel wire or Stainless steel wire and is highly recommended for high temperature & high pressure applications.

It enjoys the advantages of braided packing having high Flexibility / Resiliency and also have all the characteristics of Flexible Pure Graphite i.e. the Packing does not contain oil, grease or binder of any kind or any other contamination. This packing dissipates heat properly as it is a good thermal conductor leading to its longer, leakage free life. Expanded pure Graphite packing with metallic wire reinforcement can be supplied in rope form and also in pre formed rings in single oblique cut to your custom made exact size.

Service Recommendations: Superheated and saturated steam, Non-oxidising fluids, Dyes and Chemicals, Fuel Oil & Lube Oil, Hydrocarbon etc.

	рН		Temperature			Q	3			Size
	0-14	-200°c to 3300°c	-200°c to 500°c	-200°c to 650°c	Bar	Bar	m/s	Bar	m/s	mm²
Í	0-14	(Non-Oxidising)	(Oxidising)	(Steam)	450	200	15	300	2	3-100

CHAMPION Style - 374 Hydroflon Packing (For Hydraulic Applications)

This hydraulic packing is braided from soft natural fibre Yarn impregnated with a high grade PTFE lubricant and additives. The packing has a low coefficient of friction, is resilient and flexible.

Applications:

Basically the packing is designed for HYDRAULIC APPLICATION in low and medium pressure pumps and valves handling hot and cold water, condensates,



рН	Temperature		8	3		—	Size
4-10	С	Bar	Bar	m/s	Bar	m/s	mm ²
4-10	-40 to +150	80	10	7	50	1	3-100

CHAMPION Style - 376 Hydraulic Packing



The packing is plaited from long staple cotton fiber yarn impregnated with high grade lubricants. The packing has resiliency and flexibility.

Applications:

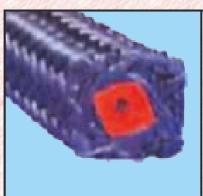
For high speed centrifugal and reciprocating pumps, condensate pumps, air compressors and refrigeration, ammonia, alcohol, water and hydraulic services.

Available Sizes:

3 mm to 10 mm - Spools of 10 Mtr, 11 mm & 12.5 mm - spools of 3 mtr & above in Boxes in Kg.

рН	Temperature	型	8	3			Size
6-8	С	Bar	Bar	m/s	Bar	m/s	mm²
0-0	-40 to +130	80	10	7	50	1	3-100

CHAMPION Style - 536 PTFE Graphite Hollow Core Packing



This is a specially designed PTFE Graphite packing for extreme dynamic conditions. This packing is having a hollow core of special Elastomeric compound designed specially for equal distribution of pressure and self-adjustment during operation. The composition of this Elastomer is designed in such a way so as to resist acid chemical (up to pH 3) and Alkaline applications (up to pH 12) including neutral fluid as far as working media is concerned. Over the Elastomeric core, a multi-layered PTFE Graphite Solid Yarn is braided as as a dense jacket. This jacket specially takes care of the reaction of the working media (pH range 0 - 14). This specialised product is not only a high pressure resistant packing but also having self-adjustment properties and with minimum gland adjustment, the packing performs extremely well.

Service Recommendation : Chemicals, Sea water, River water, Sewage, Oil, Acid and Alkali etc.

рН	Temperature	型	\$			Size	
0-14	С	Bar	Bar	m/s	Bar	m/s	mm²
0-14	-200 to +300	-	20	20	50	5	3-100

CHAMPION Style - 3116 Graphited Natural Fibe

Natural Vegetable packing as in STYLE 376 but with Graphite impregnation as an added lubricant. The packing is resilient and flexible.

Applications:

Rotary, reciprocating pumps, in ship building and domestic fresh water pumps.



ı	рН	Temperature		8	3			Size
ľ	6-8	С	Bar	Bar	m/s	Bar	m/s	mm²
I	0-0	-40 to +130	70	10	7	50	1	3-100

CHAMPION Style - 2222 Stern Gland Packing (For Marine Application)



The packing is made from longline natural flax fiber yarn, in square braided construction having combining strength, flexibility & compressibility. The yarn is thoroughly impregnated during the construction process with a non graphite lubricant and further surface treated with a special water resistant lubricant.

Application:

The packing is designed as a hydraulic purpose pump packing for fresh water, brine water, cold water, sea water, river water in reciprocatory, rotary pumps as STERN GLANDS in shipping/marine industry.

рН	Temperature	H	8	3			Size
5-9	С	Bar	Bar	m/s	Bar	m/s	mm²
5-9	-40 to +150	220	10	3	100	1	3-100

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CHAMPION Style - 2224 Stern Flon Marine Packing.



Basically this Non-Asbestos packing is for Marine Stern GLANDS. Manufactured from long life natural flax fiber yarn impregnated with PTFE and additional lubricant, specially blended for hydraulic applications, combining strength, firmness, flexibility, lubricity and compressibility.

Applications:

For rotary, reciprocating and static applications, in fresh & brine water pumps, ram presses, accumulators, in paper mills, pharmaceuticals and foodstuff, stern tubes and Rudder Post seals in marine and ship building and STERN GLANDS.

	рН	Temperature	H	\$				Size
	6-10	С	Bar	Bar	m/s	Bar	m/s	mm²
		-40 to +150	240	25	9	100	1	3-100

CHAMPION Style - 3094 PTFE Impregnated Non Asbestos Packing

This is a Non Asbestos Duplex Braided Gland Packing manufactured from High Purity Heat and Chemical Resistant Inorganic Refractory Oxides in Fibrous Form Impregnated with PTFE dispersion. **This packing is recommended only for Static working conditions.**

It is an excellent packing for handling a wide range of acidic as well as alkaline chemicals.

CHAMPION Style 3094 is a Non-Toxic, Non-Health Hazardous and Eco friendly packing having high Cross Sectional stability. This packing can effectively be used for Corrosive and Non Corrosive Gases also.

Service Recommendation: Acids & Alkalis, Corrosive and Non Corrosive Chemicals, Solvent, Oil, Petroleum Distillates, Corrosive and Non Corrosive Gases etc.



CHAMPION Style - 3800 Self Lubricated Graphite Non-Asbestos Packing



This is a Non Metallic Non Asbestos Self Lubricated Duplex Braided Gland Packing Incorporating High Purity Anti Frictional Graphite Flake. Graphite Flake adds not only to the Lubricating properties, but also acts as a heat dissipating media. This packing is recommended for high pressure and high temperature application being manufactured from high purity heat and chemical resistant inorganic refractory oxides in fibrous form. This packing is recommended only for Static working conditions. It is Non-Health Hazardous, Non-Toxic and Environment friendly, manufactured in Duplex Braid having high Cross Sectional stability. This packing can effectively be used in Liquid and Viscous Chemicals as well as Corrosive and Non Corrosive Gases.

Service Recommendation : Super Heated and Saturated Steam, Dyes and Chemicals, All Non Oxidizing Liquids and Gases etc.

рН	Temperature	革	₩		←		Size
0.14	С	Bar	Bar	m/s	Bar	m/s	mm²
0-14	-50 to +300	120	25	10	100	2	3-100

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CHAMPION Style - 6100 Lubricated & Graphited Synthetic Packing



Champion Style 6100 is a synthetic fiber based packing with adequate lubrication of a proprietary special graphite dispersion which simultaneously impregnates the packing to give leak free service and also acts as a lubricant to ensure smooth running of the pump, without scoring of the shaft.

Service Recommendation: Water, Brine Solution, acids/alkalis.

Available Sizes: 3 & 5 mm in Spools of 10 M. 6-16 mm in 1 kg Coils 19 mm - 50 mm in 5 kg Coils.

рН	Temperature	H	₩				Size
3-10	С	Bar	Bar	m/s	Bar	m/s	mm²
3-10	Upto +300°c	150	30	1	100	1.5	3-100

CHAMPION Style - 6094 PTFE Impregnated Synthetic Packing

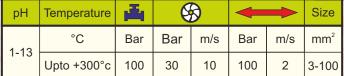
Champion Style 6094 is an asbestos replacement packing having superior seal ability. It is suitable for centrifugal pumps, reciprocal pumps and valves, handling media of pH 1-13 and temperature upto -100°C to 230 °C. It is a packing for universal application and is deeply impregnated with a proprietary PTFE dispersion to ensure superior sealing and low wear and tear on the shaft.

Service Recommendation:

Chilled water, Brine Solution, Mild Acids / alkalis.

Available Sizes: 3 & 5 mm in Spools of 10 M.

6-16 mm in 1 kg Coils 19 mm - 50 mm in 5 kg Coils.



CHAMPION Style - 7916 Metallic Ceramic Kiln Seal Rope (with Metal Wire)



Champion Style 7916 is an asbestos replacement. Champion Style 7916 is a lubricated ceramic kiln seal packing reinforced with metal wire with superior seal ability. This is an ideal choice for high temperature valve applications and is extremely suitable for high temperature & high pressure service conditions, handling temperatures ranging from -50°C to +1250°C.

Service Recommendation:

High temperature applications, high pressure applications, butane, propane gases, oil vapour, furnace oil etc.

рН	Temperature					
0-14	-50°C to +1250°C					

Asbestos Free Asbestos Free Asbestos Free Asbestos Free

Asbestos Free

Asbestos Free

Asbestos Free

Asbestos Free

Asbestos Free

Insulation

Ceramic Yarn, Rope, Lagging Rope & Cloth

"CHAMPION" Ceramic Yarns are manufactured from refractory oxides having composition of Alumina, Silica and some special additives. Depending on the use, basic yarn is reinforced with "E" Glass filament / SS Wire. These yarns are then braided to make rope or woven to make cloth and tape.

"CHAMPION" Ceramic Packings and Textiles are Environment friendly, Non-toxic, Non-health hazardous, Non-Asbestos materials.

"CHAMPION" Ceramic products are used in high temperature zone for thermal insulation, electrical insulation and sealing corrosive / non-corrosive gases, super heated and saturated steam and many other applications.

"CHAMPION" Ceramic products are also used for insulation in pipes. "CHAMPION" Ceramic products are manufactured using latest State of the Art technology improving the quality of the yarn, especially the reduction in "loss on ignition", increase of thermal insulation properties and reduction of leachable chloride contents which is the cause of corrosion and pitting on parent body.

Technical Properties of Champion Ceramic Packing & Textiles

Product	Style No.	Item Description	рН	Temperature Resistance
	3000	NON ASBESTOS INORGANIC FIBRE PACKING	0-14	Up to 600°C
	7000	CERAMIC BRAIDED ROPE	0-14	Up to 1250°C
	7012	CERAMIC LAGGING ROPE	0-14	Up to 1250°C
	7056	CERAMIC YARN	0-14	Up to 1250°C
	7132	CERAMIC CLOTH	0-14	Up to 1250°C
		CERAMIC WEBBING TAPE	0-14	Up to 1250°C
	7916	METALLIC CERAMIC KLIN SEAL ROPE (WITH METAL WIRE)	0-14	Up to 1250°C

Asbestos Free

Asbestos Free

Asbestos Free

Asbestos Free

Asbestos Free

"Champion" Ceramic Packings & Textiles Are Having The Following Advantages:

- 01. Non Hazardous To Health And Non-Toxic.
- 02. Environment Friendly.
- 03. Longer Life Due To No Loss Of Strength At Optimum Working Temperature.
- 04. Extremely High Thermal Insulation.
- 05. Electrically Non Conductive & Non Combustible.
- 06. Widest Possible Application In High Temperature Zone.
- 07. Reduction In Down Time.
- 08. Low Maintenance Cost.
- 09. Increases Safety Of Plant Personnel & Improves Productivity.

"Champion" Ceramic Products Are Having Applications In The Following Areas:

- 01. Seals & Joints For Boilers.
- 02. Coke Oven Doors.
- 03. Boiler Peep Holes.
- 04. Blast Furnace Relining.
- 05. Refractories.
- 06. Kiln Cars.
- 07. Continuous Casting.
- 08. Thermocouple Pipes.
- 09. Aluminum Pouring Ladles.
- 10. Insulation Of Electrical Wiring.
- 11. Hot Blast Valves.

"Champion" Ceramic Packings & Textiles Are Suitable For:

- Super Heated & Saturated Steam.
- 02. Non Oxidizing Liquids & Gases.
- 03. Hot Blast.
- 04. Alumina In Powder & Molten Form.
- 05. Dies & Chemicals.
- 06. Mild Acids & Mild Alkalies.
- 07. Furnace Door Sealing
- 08. Hot Blast Valve Packing
- 09. Coke Oven Door Sealing / Coke Oven Pipe Lagging
- 10. Con Cast Dummy Bar Sealing / Hot Top Seals
- 11. High Temperature Insulation In Pot Room
- 12. Sealing Of Pouring Ladles.
- 13. Insulations In Carbon Plant / Cast House
- 14. Fire / Flame Protection Blanket
- 15. As High Temperature Bellows Expansion Joint.
- 16. Boiler Door Sealing
- 17. Boiler Peep Hole Packing
- 18. Inspection Door Sealing
- 19. Insulation Of Exhaust Steam Pipe
- 20. Boiler Mattress.

Note :- Information on different products are based on general knowledge and experience is given and accepted at the buyers risk. Considering the wide range of applications concerning media, pressure, temperatures, shaft speeds, and human factors involved.

No warranty is given or implied with respect to given information. SPECIFICATIONS are subject to change without notice.

Asbestos Free • Asbestos Free • Asbestos Free • Asbestos Free

CHAMPION manufactures a wide range of asbestos free sealing and insulation products for various industrial applications. Our gland packings, gasket sheets and spiral wound gaskets are commonly used in core sector and applied industries ranging from :

Chemical Processing, Engineering & Construction, Marine applications, Mining, Oil & Gas, Petro-Chemical, OEM, Pharmaceutical, Power Generation, Paper & Pulp, Steel & Metals, Water/Waste Water, Sewage, Nuclear, Food & Beverage.

Our products are designed & manufactured to deliver high performance sealing solutions in consideration with the Media, Temperature, Pressure & Equipment

Kindly contact us for customized unique sealing solutions to help reduce downtime, increase efficiency and ensure a leak-proof seal.



CHAMPION SEALS (INDIA) PVT. LTD.

Champion Compound, 15 Parsi Panchayat Road, Andheri (East), Mumbai - 400 069.

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