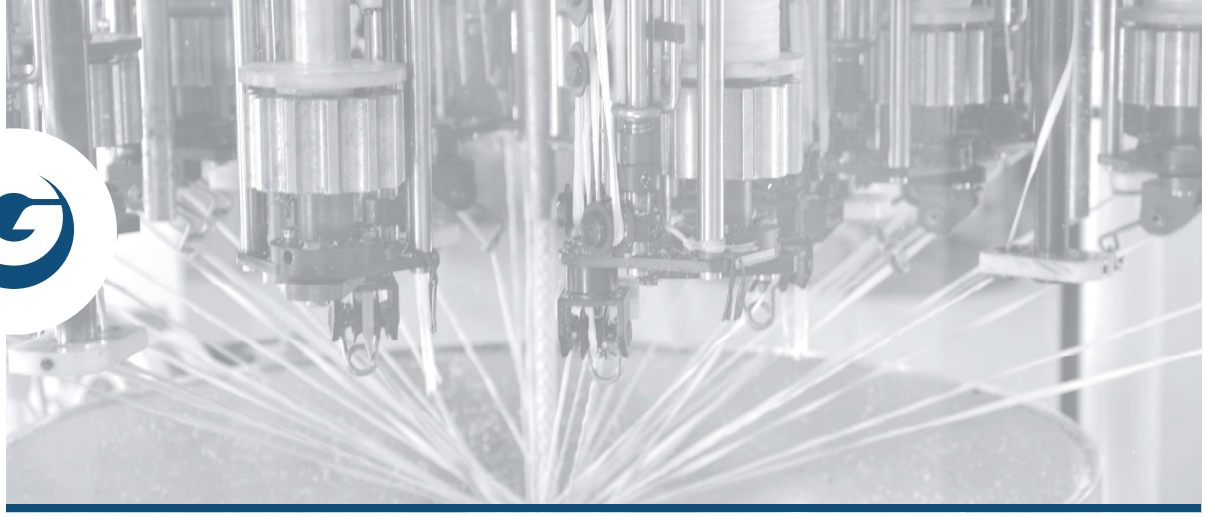
BRAIDED PACKINGS

Braided packings are the most common sealings used in stuffing boxes of pumps and fittings. Easy to-apply, versatile, long-lasting and relatively cheap, they are continuously a subject of users' interest, although the number of alternative solutions is growing steadily. The implementation of advancements in material engineering, new materials, and increasingly specialized material and design compositions allows for the attainment of better and more durable sealing solutions, provided that correct mounting and operation are ensured.

The key element to proper gland packing function is correct assembly. Tips and instructions how to install gland packings in both pumps and valves are available on our website, in the "braided packing" tab.

Designation and work parameters					Description	Typical application	
605					Expanded graphite yarns with natural fibre leader.	Used in stuffing boxes in rotating pumps in temperature up to 450°C. For medias as: water, oils, solvents, salts, acids and bases. It is not recommended to work with high abrasive or strong oxidants media. Type 605 require good technical condition of stuffing box. Highly recommended in power plant and heat plant systems.	
	T_{max} [°C]	-200°C ÷ 450°C / 2500°C*)**)					
	p_{max} [bar]	40	-	-			
	v_{max} [m/s]	40	-	-			
	pH	0-14					
6051					Expanded graphite yarns reinforced by Inconel wire.	Used in suffing boxes of valve of high temperature armature. Can work with medias like: water, steam, oils, solvents, salts, acids and bases. It is not recommended to work with high abrasive or strong oxidants media. Highly recommended in power plant and heat plant systems.	
	T_{max} [°C]	-200°C ÷ 450°C / 2500°C*)**)					
	p_{max} [bar]	-	-	320			
	v_{max} [m/s]	-	-	2			
	pH	0-14					
6055					Expanded graphite with corrosion inhibitor. Each yarn have special reinforcement of Inconel mesh.	Used in suffing boxes of valve of extreme high temperature and pressure armature. Can work with medias like: water, steam, oils, solvents, salts, acids and bases. It is not recommended to work with high abrasive or strong oxidants media. Very common application in steam valves in power plants.	
	T_{max} [°C]	-200°C ÷ 600°C / 2500°C*					
	p_{max} [bar]	-	-	600			
	v_{max} [m/s]	-	-	1,5			
	pH	0-14					
645					Expanded graphite with cotton leader fibre. Impregnated with PTFE dispersion.	Used in stuffing boxes in rotating pumps and valves in temperature up to 280°C. For medias as: water, steam oils, solvents, salts, acids and bases. It is not recommended to work with high abrasive or strong oxidants media. Type 645 pvides high chemical resistance and low friction coefficient.	
	T_{max} [°C]	-200°C ÷ 280°C					
	p_{max} [bar]	25	-	100			
	v_{max} [m/s]	25	-	2			
	pH	0-14					

*) in inert atmosphere **) w in steam up to 550°C



Designation and work parameters					Description	Typical application
6080					Pure PTFE without lubricants.	Very high chemical resistant. Can be used in oxygen instalations. Because of unique purity also in pharmaceutic industry.
	T_{max} [°C]	-150°C ÷ 280°C				
	p_{max} [bar]	8	60	150		
	v_{max} [m/s]	20	2	2		
	pH	0-14				
6081					PTFE fibre yarns with silicone oil.	Soft and very elastic gland packing characterized by low friction coefficient and very good chemical resistant. Dedicated to work in applications where use of graphite is forbidden.
	T_{max} [°C]	-200°C ÷ 280°C				
	p_{max} [bar]	20	80	40		
	v_{max} [m/s]	10	2	5		
	pH	0-14				
608					PTFE fibre yarns with composition of graphite and silicone oil.	Very polular gland packing dedicated for pumps and valves. Because packing is elastic and soft it suit to stuffing boxes easyly. Very wide range of applications.
	T_{max} [°C]	-200°C ÷ 280°C				
	p_{max} [bar]	20	100	100		
	v_{max} [m/s]	10	2	2		
	pH	0-14				
6085N					Expanded PTFE with structure similar to GORE GFO, filled by graphite and silicone oil.	Versatile gland packing applications similar to GORE GFO. Especially used in high speed applications pumps in the power industry, chemical industry and in wastewater treatment installations.
	T_{max} [°C]	-200°C ÷ 280°C				
	p_{max} [bar]	20	200	300		
	v_{max} [m/s]	20	2	2		
	pH	0-14				

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Designation and work parameters					Description	Typical application
6086 ZEBRA					Combination of PTFE Yarns incorporated with graphite and best quality aramide yarns impregnated with PTFE.	Thanks to the special braiding this type of packing works very good in high speed rotating pumps with abrasive medias. It is very popular in sugar factories, cooling water systems, flotation and water treatment installations.
	T_{max} [°C]	-200°C ÷ 280°C				
	p_{max} [bar]	20	-	300		
	v_{max} [m/s]	20	-	2		
	pH	2-13				

6087 ŻMIJKA					Combination of PTFE Yarns incorporated with graphite and best quality aramide yarns impregnated with PTFE.	Reinforcement of corners by aramide yarns make this type resistant for damages in stuffing boxes of piston pumps and valves where type 6087 is strongly recommended to use.
	T_{max} [°C]	-200°C ÷ 280°C				
	p_{max} [bar]	-	200	300		
	v_{max} [m/s]	-	5	2		
	pH	2-13				

641					Cotton yarns filled with special impregnate based on PTFE.	Recommended to use in stuffing boxes of pumps and valves in wide range of industrial applications. Resistans for water, oils, fuels, greases and water solutions of salts, weak acids and bases.
	T_{max} [°C]	-50°C ÷ 120°C				
	p_{max} [bar]	8	60	150		
	v_{max} [m/s]	8	2	2		
	pH	5-9				