



SEALTEK

BRAIDED PACKING

SEALING BEYOND EXPECTATIONS

BRAIDED PACKINGS *overview*



If you believe a high quality packing is expensive, you have yet to experience how much a low quality packing will cost you in the end.

A high quality fiber from the most reliable manufacturers, a proper impregnation and a perfect braiding are the key factors for the production of efficient and effective gland packing.

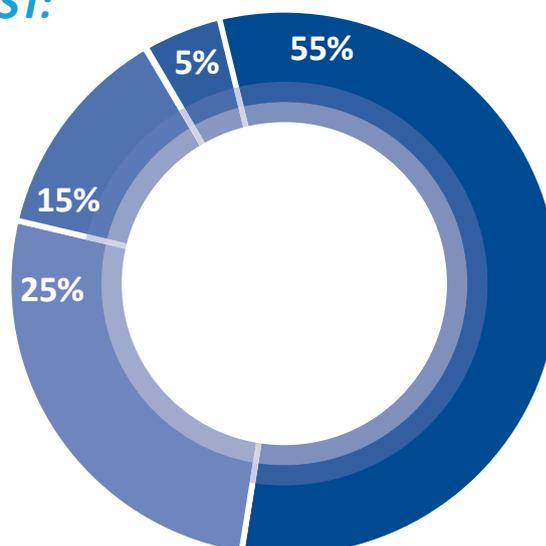
Several factors can make the difference between a **quality product able to withstand a full production cycle with relatively low material wear** and a low technology packing which, after an initial saving on the purchase, causes several additional costs during the course of its operational life. Sealtek proudly offers a very wide range of braided packing where **every single product is guaranteed to represent the current state of the art of its type.**

<p>X Packing with irregular size will generate oversized and undersized rings. Excessive friction will take place at the bigger ring and increased leakage will occur at the smaller, thus requiring further adjustment and consequent mechanical stress, resulting in reduced packing lifetime.</p>	<p>✓ A controlled density packing with uniform ring sizes can maximize the sealing action while at the same time minimizing the required compression, which in turn causes a lower friction on the sleeve and a lower mechanical stress on the packing itself, thus increasing their operational life.</p>
<p>X Low quality lubricants will cause a greater packing friction, increased sleeve wear and energy absorption, higher demand of cooling fluid.</p>	<p>✓ High quality lubricants reduce friction and heat generation, thus extending packing lifetime and minimizing the need for cooling and the costs for absorbed energy</p>
<p>X A quicker wear of the packing rings requires more man-hours to keep leakage under control, and can cause unscheduled maintenance stops and undesirable machine downtime, resulting in additional costs.</p>	<p>✓ Slower packing wear reduces leakage and personnel cost for machine monitoring. A maximized packing lifetime enables the machine to be stopped only for its scheduled maintenance.</p>

While the cost associated with a high quality packing able to stay in place as long as needed can be easily calculated, **the effects of an unscheduled maintenance is often difficult to predict and to quantify.** Since the cost of the packing itself will happen to be but the smallest part of the total machine operation and maintenance expenditure, it becomes clear how **high quality products which can avoid or minimize all the other related expenditures and can quickly represent a very rewarding investment for any industrial application.**

PACKING OPERATIONAL COST:

- 55% Product loss due to machine downtime
- 25% Value of leaked fluid
- 15% Labor cost
- 5% Packing purchase cost



STYLE 1000 POLYCRYSTALLINE GRAPHITE YARN WITH LIGHT PTFE COATING

100% synthetic crystalline graphite fiber, impregnated with colloidal graphite on synthetic oil.

	Applications		
T °C	-250 ÷ +650		
P bar	80	120	150
V m/sec	25	10	2
pH	0 ÷ 14		



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	71.7	12		2	4.5
4		1	40.3	12.7	1/2	2	4.0
5	3/16	1	25.8	14	9/16	2	3.3
6		1	17.9	16	5/8	2 ; 4	2.5
6.4	1/4	1	15.8	18	11/16	4	2.0
8	5/16	1 ; 2	10.1	19	3/4	4	1.8
9.5	3/8	1 ; 2	7.1	20	13/16	4	1.6
10		1 ; 2	6.5	22	7/8	4	1.3
11.1	7/16	2	5.2	24	15/16	4	1.1
				25	1	4	1.0

STYLE 1001 CARBOX YARN

Pure preoxidized carbon P.A.N. yarn, impregnated with colloidal graphite on synthetic oil.

	Applications		
T °C	-50 ÷ +500		
P bar	40	100	150
V m/sec	20	2	1
pH	2 ÷ 12		



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	78.2	12		2	5.5
4		1	50.0	12.7	1/2	2	5.0
5	3/16	1	32.0	14	9/16	2	4.1
6		1	22.2	16	5/8	2 ; 4	3.1
6.4	1/4	1	19.5	18	11/16	4	2.5
8	5/16	1 ; 2	12.5	19	3/4	4	2.3
9.5	3/8	1 ; 2	8.9	20	13/16	4	2.1
10		1 ; 2	8.0	22	7/8	4	1.7
11.1	7/16	2	6.5	24	15/16	4	1.4
				25	1	4	1.3

STYLE 1001/N PANOX YARN

Pure preoxidized carbon yarn, impregnated with colloidal PTFE suspension

	Applications		
T °C	-40 ÷ +300		
P bar	80	120	150
V m/sec	25	10	2
pH	0 ÷ 14		



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	78.2	12		2	5.5
4		1	50.0	12.7	1/2	2	5.0
5	3/16	1	32.0	14	9/16	2	4.1
6		1	22.2	16	5/8	2 ; 4	3.1
6.4	1/4	1	19.5	18	11/16	4	2.5
8	5/16	1 ; 2	12.5	19	3/4	4	2.3
9.5	3/8	1 ; 2	8.9	20	13/16	4	2.1
10		1 ; 2	8.0	22	7/8	4	1.7
11.1	7/16	2	6.5	24	15/16	4	1.4
				25	1	4	1.3

BRAIDED PACKING



STYLE 1002 IMX GRAPHITE YARN

99% Synthetic graphite fiber, impregnated with colloidal graphite on synthetic oil (<2%).

	Applications		
			
T °C	-80 ÷ +500		
P bar	25	50	100
V m/sec	35	4	1
pH	0 ÷ 14		

- Heavy duty high temperature pumps and valves applications
- Aggressive fluids



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	97.7	12		2	6.9
4		1	62.5	12.7	1/2	2	6.2
5	3/16	1	40.0	14	9/16	2	5.1
6		1	27.8	16	5/8	2 ; 4	3.9
6.4	1/4	1	24.4	18	11/16	4	3.1
8	5/16	1 ; 2	15.6	19	3/4	4	2.8
9.5	3/8	1 ; 2	11.1	20	13/16	4	2.5
10		1 ; 2	10.0	22	7/8	4	2.1
11.1	7/16	2	8.1	24	15/16	4	1.7
				25	1	4	1.6

STYLE 1003 IMX GRAPHITE YARN

96% Synthetic graphite fiber and 4% Inconel alloy, impregnated with colloidal graphite on synthetic oil (<2%).

	Applications		
			
T °C	-80 ÷ +500		
P bar	-	100	250
V m/sec	-	2	1
pH	0 ÷ 14		

- High temperature and high pressure steam valves
- Top and bottom bull rings in conjunction with Style 1099



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	78.2	12		2	5.5
4		1	50.0	12.7	1/2	2	5.0
5	3/16	1	32.0	14	9/16	2	4.1
6		1	22.2	16	5/8	2 ; 4	3.1
6.4	1/4	1	19.5	18	11/16	4	2.2
8	5/16	1 ; 2	12.5	19	3/4	4	2.2
9.5	3/8	1 ; 2	8.9	20	13/16	4	2.2
10		1 ; 2	8.0	22	7/8	4	2.0
11.1	7/16	2	6.5	24	7/8	4	1.7
				25	1	4	1.3

STYLE 1009 COMBIGRAPH YARN

38% synthetic graphite fiber and 62% expanded graphite, impregnated with non-metallic corrosion inhibitor.

	Applications		
			
T °C	-150 ÷ +650		
P bar	60	80	150
V m/sec	30	5	1
pH	0 ÷ 14		

- Heavy duty, high temperature and high pressure valves, pumps and pistons



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	75.8	12		2	6.2
4		1	62.5	12.7	1/2	2	5.5
5	3/16	1	35.0	14	9/16	2	5.1
6		1	22.8	16	5/8	2 ; 4	3.8
6.4	1/4	1	16.8	18	11/16	4	2.7
8	5/16	1 ; 2	12.0	19	3/4	4	2.4
9.5	3/8	1 ; 2	9.45	20	13/16	4	2.2
10		1 ; 2	8.9	22	7/8	4	1.8
11.1	7/16	2	6.7	24	15/16	4	1.5
				25	1	4	1.5

STYLE 1009X ULTRAGRAPH YARN

40% carbographite fiber carrier and corners, 60% expanded graphite twisted ribbons, impregnated with non-metallic corrosion inhibitor.



Applications

T °C	-150 ÷ +750		
P bar	100	150	300
V m/sec	30	10	8
pH	0 ÷ 14		

- Heavy duty, high temperature and high pressure centrifugal and piston pumps and valves



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	79.4	12		2	5.0
4		1	44.6	12.7	1/2	2	4.4
5	3/16	1	28.6	14	9/16	2	3.6
6		1	19.9	16	5/8	2 ; 4	2.8
6.4	1/4	1	17.4	18	11/16	4	2.2
8	5/16	1 ; 2	11.2	19	3/4	4	2.0
9.5	3/8	1 ; 2	8.0	20	13/16	4	1.8
10		1 ; 2	7.1	22	7/8	4	1.5
11.1	7/16	2	5.8	24	15/16	4	1.2
				25	1	4	1.1

STYLE 1023T POLYPROPYLENE JACKET AND PTFE YARN

Acrylic fibers wrapped in PTFE yarns around a silicon core. Can withstand repeated opening and closing cycles of tank lids.



Applications

T °C	-30 ÷ +160		
P bar	-	-	20
pH	0 ÷ 14		

- Tank lids and main hatches
- Inspection and cleaning covers on tankers carrying any type of liquid cargo in all IMO classes.



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
10		-	6.2	22	7/8	-	1.2
11.1	7/6	-	5.1	24		-	1.1
12	1/2	-	4.3	25	1	-	1.0
12.7	9/16	-	3.8	28	1-1/8	-	0.8
14	1/4	-	3.1	30		-	0.65
16	5/8	-	2.4	32	1-1/4	-	0.60
18	11/16	-	1.9	35	1-3/8	-	0.50
19	3/4	-	1.7	40		-	0.38
20		-	1.5				

STYLE 1024 PURE PTFE YARN

100% PTFE braided with High Controlled Density method, impregnated with PTFE dispersion.



Applications

T °C	-240 ÷ +280		
P bar	50	100	500
V m/sec	2	1	1
pH	0 ÷ 14		

- Strong chemicals on static applications (valves, gates, taps, covers, manholes)
- Strong chemicals on low speed centrifugal or reciprocating pumps.



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	54.7	12		2	3.9
4		1	35.0	12.7	1/2	2	3.5
5	3/16	1	22.4	14	9/16	2	2.9
6		1	15.6	16	5/8	2 ; 4	2.2
6.4	1/4	1	13.7	18	11/16	4	1.7
8	5/16	1 ; 2	8.7	19	3/4	4	1.6
9.5	3/8	1 ; 2	6.2	20	13/16	4	1.4
10		1 ; 2	5.6	22	7/8	4	1.2
11.1	7/16	2	4.5	24	15/16	4	1.0
				25	1	4	0.9

BRAIDED PACKING



STYLE 1025 FOOD GRADE PURE PTFE YARN

100% PTFE braided with High Controlled Density method, impregnated with food-grade lubricant. Braided in white clean room.

	Applications		
			
T °C	-200 ÷ +280		
P bar	25	100	-
V m/sec	8	2	-
pH	0 ÷ 14		

- Chemical, food and pharmaceutical industry



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	54.7	12		2	3.9
4		1	35.0	12.7	1/2	2	3.5
5	3/16	1	22.4	14	9/16	2	2.9
6		1	15.6	16	5/8	2 ; 4	2.2
6.4	1/4	1	13.7	18	11/16	4	1.7
8	5/16	1 ; 2	8.7	19	3/4	4	1.6
9.5	3/8	1 ; 2	6.2	20	13/16	4	1.4
10		1 ; 2	5.6	22	7/8	4	1.2
11.1	7/16	2	4.5	24	15/16	4	1.0
				25	1	4	0.9

STYLE 1026 META-ARAMID YARN

Meta-aramid long fibers braided with High Controlled Density method, impregnated with 40% colloidal PTFE.

	Applications		
			
T °C	-30 ÷ +300		
P bar	60	80	100
V m/sec	15	5	2
pH	1 ÷ 13		

- Heavy duty applications
- Pulp & Paper applications requiring non-staining white packing



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	68.5	12		2	4.8
4		1	43.8	12.7	1/2	2	4.3
5	3/16	1	28.0	14	9/16	2	3.6
6		1	19.5	16	5/8	2 ; 4	2.7
6.4	1/4	1	17.1	18	11/16	4	2.2
8	5/16	1 ; 2	10.9	19	3/4	4	2.0
9.5	3/8	1 ; 2	7.8	20		4	1.8
10		1 ; 2	7.0	22	7/8	4	1.5
11.1	7/16	2	5.7	24		4	1.2
				25	1	4	1.1

STYLE 1027 PHENOLIC KYNOL® YARN

Phen-Top fibers braided with High Controlled Density method, impregnated with colloidal PTFE and synthetic oil.

	Applications		
			
T °C	-80 ÷ +260		
P bar	30	50	80
V m/sec	25	12	1
pH	3 ÷ 12		

- General applications
- Pulp & Paper applications requiring non-staining white packing



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	66.6	12		2	4.3
4		1	38.4	12.7	1/2	2	3.8
5	3/16	1	25.0	14	9/16	2	3.1
6		1	17.2	16	5/8	2 ; 4	2.4
6.4	1/4	1	15.7	18	11/16	4	1.9
8	5/16	1 ; 2	9.7	19	3/4	4	1.7
9.5	3/8	1 ; 2	7.0	20	13/16	4	1.5
10		1 ; 2	6.2	22	7/8	4	1.2
11.1	7/16	2	5.1	24	15/16	4	1.1
				25	1	4	1.0

STYLE 1028 PURE PTFE YARN

100% PTFE braided with High Controlled Density method, impregnated with colloidal PTFE.



Applications

T °C	-240 ÷ +280		
P bar	25	50	100
V m/sec	8	4	2
pH	0 ÷ 14		

- Centrifugal pumps, agitators, mixers and reactors with most chemicals



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	54.7	12		2	3.9
4		1	35.0	12.7	1/2	2	3.5
5	3/16	1	22.4	14	9/16	2	2.9
6		1	15.6	16	5/8	2 ; 4	2.2
6.4	1/4	1	13.7	18	11/16	4	1.7
8	5/16	1 ; 2	8.7	19	3/4	4	1.6
9.5	3/8	1 ; 2	6.2	20	13/16	4	1.4
10		1 ; 2	5.6	22	7/8	4	1.2
11.1	7/16	2	4.5	24	15/16	4	1.0
				25	1	4	0.9

STYLE 1028X HIGH SPEED PTFE YARN

100% pure expanded PTFE yarn with encapsulated lubricants, meets FDA CFR 177.550 regulations.



Applications

T °C	-100 ÷ +280		
P bar	20	30	-
V m/sec	15	2	-
pH	0 ÷ 14		

- Centrifugal pumps and agitators in chemical, pharmaceutical and food industries.



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	54.7	12		2	3.9
4		1	35.0	12.7	1/2	2	3.5
5	3/16	1	22.4	14	9/16	2	2.9
6		1	15.6	16	5/8	2 ; 4	2.2
6.4	1/4	1	13.7	18	11/16	4	1.7
8	5/16	1 ; 2	8.7	19	3/4	4	1.6
9.5	3/8	1 ; 2	6.2	20	13/16	4	1.4
10		1 ; 2	5.6	22	7/8	4	1.2
11.1	7/16	2	4.5	24	15/16	4	1.0
				25	1	4	0.9

STYLE 1029 RAMIE YARN

Texturized and treated vegetal fiber, impregnated with colloidal PTFE and synthetic oil.



Applications

T °C	-30 ÷ +140		
P bar	20	30	40
V m/sec	15	6	1
pH	4 ÷ 11		

- Marine applications (stern tubes and rudder posts)
- Pulp & Paper industry



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	68.4	12		2	4.9
4		1	43.8	12.7	1/2	2	4.3
5	3/16	1	28.0	14	9/16	2	3.6
6		1	19.4	16	5/8	2 ; 4	2.7
6.4	1/4	1	16.8	18	11/16	4	2.2
8	5/16	1 ; 2	10.9	19	3/4	4	1.9
9.5	3/8	1 ; 2	7.8	20	13/16	4	1.7
10		1 ; 2	7.0	22	7/8	4	1.4
11.1	7/16	2	6.0	24	15/16	4	1.2
				25	1	4	1.1

BRAIDED PACKING



STYLE 1037 KYNOL/ARAMID YARN

Aramid structure, with phenolic-reinforced corners, colloidal PTFE impregnation and silicone rubber core.

	  			Applications
	T °C	-50° ÷ +200°		
P bar	35	50	100	<ul style="list-style-type: none"> • Heavy duty large size pumps, mixers and crystallizers • Sugar industry • Pulp & Paper industry
V m/sec	20	15	2	
pH	2 ÷ 12			



Size		Pack	Lenght
mm	inch	Kg	mt/Kg
3	1/8	1	61.6
4		1	39.4
5	3/16	1	25.2
6		1	17.5
6.4	1/4	1	15.4
8	5/16	1; 2	9.8
9.5	3/8	1; 2	7.0
10		1; 2	6.3
11.1	7/16	2	5.1

Size		Pack	Lenght
mm	inch	Kg	mt/Kg
12		2	4.3
12.7	1/2	2	3.9
14	9/16	2	3.2
16	5/8	2; 4	2.5
18	11/16	4	2.0
19	3/4	4	1.8
20	13/16	4	1.6
22	7/8	4	1.3
24	15/16	4	1.1
25	1	4	1.0

STYLE 1040 ARAMID YARN

Aramid long fibers, impregnated with 20% colloidal PTFE and synthetic oil.

	  			Applications
	T °C	-100 ÷ +280		
P bar	50	100	200	<ul style="list-style-type: none"> • Centrifugal and plunger pumps, valves, expansion joints • Water, steam, solvents, acids, medium/weak alkalis, oils • Marine industry • Pulp & Paper industry
V m/sec	20	2	1	
pH	2 ÷ 12			



Size		Pack	Lenght
mm	inch	Kg	mt/Kg
3	1/8	1	68.4
4		1	43.8
5	3/16	1	28.0
6		1	19.5
6.4	1/4	1	17.1
8	5/16	1; 2	10.9
9.5	3/8	1; 2	7.8
10		1; 2	7.0
11.1	7/16	2	5.7

Size		Pack	Lenght
mm	inch	Kg	mt/Kg
12		2	4.8
12.7	1/2	2	4.3
14	9/16	2	3.6
16	5/8	2; 4	2.7
18	11/16	4	2.2
19	3/4	4	2.0
20	13/16	4	1.8
22	7/8	4	1.5
24	15/16	4	1.2
25	1	4	1.1

STYLE 1042 ARAMID YARN WITH PTFE

Aramid staple fibers, impregnated with 25% colloidal PTFE and synthetic oil.

	  			Applications
	T °C	-80 ÷ +260		
P bar	30	50	80	<ul style="list-style-type: none"> • Pumps, valves, expansion joints and piston pumps • Water, steam, solvents, weak acids and alkalis, oil by-products • Chemical, pulp & paper, pharmaceutical, food and water treatment industry
V m/sec	20	12	1	
pH	3 ÷ 12			



Size		Pack	Lenght
mm	inch	Kg	mt/Kg
3	1/8	1	68.4
4		1	43.8
5	3/16	1	28.0
6		1	19.5
6.4	1/4	1	17.1
8	5/16	1; 2	10.9
9.5	3/8	1; 2	7.8
10		1; 2	7.0
11.1	7/16	2	5.7

Size		Pack	Lenght
mm	inch	Kg	mt/Kg
12		2	4.8
12.7	1/2	2	4.3
14	9/16	2	3.6
16	5/8	2; 4	2.7
18	11/16	4	2.2
19	3/4	4	2.0
20	13/16	4	1.8
22	7/8	4	1.5
24	15/16	4	1.2
25	1	4	1.1

STYLE 1043 ARAMID YARN WITH GRAPHITE

Aramid staple fibers, impregnated with 25% colloidal graphite and synthetic oil.

	  			Applications
	-80 ÷ +350			
T °C	-80 ÷ +350			<ul style="list-style-type: none"> • Heavy duty high temperature and pressure applications • Boiler feed pumps, steam valves and gates.
P bar	70	150	300	
V m/sec	20	5	2	
pH	2 ÷ 13			



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	68.4	12		2	4.8
4		1	43.8	12.7	1/2	2	4.3
5	3/16	1	28.0	14	9/16	2	3.6
6		1	19.5	16	5/8	2 ; 4	2.7
6.4	1/4	1	17.1	18	11/16	4	2.2
8	5/16	1 ; 2	10.9	19	3/4	4	2.0
9.5	3/8	1 ; 2	7.8	20	13/16	4	1.8
10		1 ; 2	7.0	22	7/8	4	1.5
11.1	7/16	2	5.7	24	15/16	4	1.2
				25	1	4	1.1

STYLE 1044 ARAMID YARN WITH PTFE - GRAPHITE

Aramid fibers and interlocked PTFE - graphite, impregnated with colloidal PTFE and synthetic oil.

	  			Applications
	-80 ÷ +280			
T °C	-80 ÷ +280			<ul style="list-style-type: none"> • Centrifugal and plunger pumps • Mixers and reactors
P bar	70	150	300	
V m/sec	20	5	2	
pH	2 ÷ 13			



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	61.6	12		2	4.3
4		1	39.4	12.7	1/2	2	3.9
5	3/16	1	25.2	14	9/16	2	3.2
6		1	17.5	16	5/8	2 ; 4	2.5
6.4	1/4	1	15.4	18	11/16	4	2.0
8	5/16	1 ; 2	9.8	19	3/4	4	1.8
9.5	3/8	1 ; 2	7.0	20	13/16	4	1.6
10		1 ; 2	6.3	22	7/8	4	1.3
11.1	7/16	2	5.1	24	15/16	4	1.1
				25	1	4	1.0

STYLE 1048 PURE PTFE YARN

Pure PTFE yarn with corners reinforced with continuous aramid fibers, impregnated with colloidal PTFE and synthetic oil.

	  			Applications
	-200 ÷ +280			
T °C	-200 ÷ +280			<ul style="list-style-type: none"> • Centrifugal and piston pumps, mixers, valves. • Food, chemical and pharmaceutical industry
P bar	25	300	500	
V m/sec	10	3	1	
pH	3 ÷ 12			



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	61.6	12		2	4.3
4		1	39.4	12.7	1/2	2	3.9
5	3/16	1	25.2	14	9/16	2	3.2
6		1	17.5	16	5/8	2 ; 4	2.5
6.4	1/4	1	15.4	18	11/16	4	2.0
8	5/16	1 ; 2	9.8	19	3/4	4	1.8
9.5	3/8	1 ; 2	7.0	20	13/16	4	1.6
10		1 ; 2	6.3	22	7/8	4	1.3
11.1	7/16	2	5.1	24	15/16	4	1.1
				25	1	4	1.0

BRAIDED PACKING



STYLE 1050 ORIGINAL PTFE-GRAPHITE YARN

Expanded PTFE with pure graphite dispersion.

	Applications		
			
T °C	-200 ÷ +280		
P bar	50	70	100
V m/sec	25	5	2
pH	0 ÷ 14		

- Centrifugal pumps, reactors, mixers
- Valves, gates, taps, expansion joints
- Static seal on almost any chemical



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	58.6	12		2	4.2
4		1	37.5	12.7	1/2	2	3.7
5	3/16	1	24.0	14	9/16	2	3.1
6		1	16.7	16	5/8	2 ; 4	2.3
6.4	1/4	1	14.6	18	11/16	4	1.9
8	5/16	1 ; 2	9.4	19	3/4	4	1.7
9.5	3/8	1 ; 2	6.7	20	13/16	4	1.5
10		1 ; 2	6.0	22	7/8	4	1.2
11.1	7/16	2	4.9	24	15/16	4	1.0
				25	1	4	0.9

STYLE 1051 HYBRID PTFE-GRAPHITE YARN

Expanded PTFE with graphite colloid dispersion.

	Applications		
			
T °C	-120 ÷ +250		
P bar	40	60	80
V m/sec	20	4	1
pH	0 ÷ 14		

- Worn shafts and pumps in poor conditions
- Centrifugal, plunger and piston pumps
- Valves and static applications



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	58.6	12		2	4.2
4		1	37.5	12.7	1/2	2	3.7
5	3/16	1	24.0	14	9/16	2	3.1
6		1	16.7	16	5/8	2 ; 4	2.3
6.4	1/4	1	14.6	18	11/16	4	1.9
8	5/16	1 ; 2	9.4	19	3/4	4	1.7
9.5	3/8	1 ; 2	6.7	20	13/16	4	1.5
10		1 ; 2	6.0	22	7/8	4	1.2
11.1	7/16	2	4.9	24	15/16	4	1.0
				25	1	4	0.9

STYLE 1055 HYBRID PTFE-GRAPHITE YARN ON ARAMID

Aramid carrier wrapped with PTFE-graphite foil. High heat dissipation and tensile strength.

	Applications		
			
T °C	-30 ÷ +260		
P bar	80	100	150
V m/sec	15	4	2
pH	0 ÷ 14		

- High pressure applications
- Worn shafts
- High speed applications



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	58.6	12		2	4.2
4		1	37.5	12.7	1/2	2	3.7
5	3/16	1	24.0	14	9/16	2	3.1
6		1	16.7	16	5/8	2 ; 4	2.3
6.4	1/4	1	14.6	18	11/16	4	1.9
8	5/16	1 ; 2	9.4	19	3/4	4	1.7
9.5	3/8	1 ; 2	6.7	20	13/16	4	1.5
10		1 ; 2	6.0	22	7/8	4	1.2
11.1	7/16	2	4.9	24	15/16	4	1.0
				25	1	4	0.9

STYLE 1066 GRAPHITE-ALUMINUM YARN

25% anti-friction metal foil and 75% expanded graphite, impregnated with corrosion inhibitor.



Applications

T °C	-20 ÷ +550		
P bar	120	200	300
V m/sec	10	3	1
pH	3 ÷ 11		

- Slow to medium shaft speed applications
- Crude oil, tar, distillates, heat transfer fluids
- Sugar industry, crystallizers, paints
- Shafts with hardness > 500° brinell



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	64.2	12		2	4.1
4		1	36.3	12.7	1/2	2	3.6
5	3/16	1	23.4	14	9/16	2	3.1
6		1	16.6	16	5/8	2 ; 4	2.4
6.4	1/4	1	13.2	18	11/16	4	1.9
8	5/16	1 ; 2	9.0	19	3/4	4	1.7
9.5	3/8	1 ; 2	6.5	20	13/16	4	1.6
10		1 ; 2	5.9	22	7/8	4	1.3
11.1	7/16	2	4.7	24	15/16	4	1.1
				25	1	4	1.0

STYLE 1077 PTK 28 YARN WITH PTFE

Texturized acrylic fiber, impregnated with 40% colloidal PTFE and synthetic oil.



Applications

T °C	-25 ÷ +200		
P bar	25	40	60
V m/sec	15	3	1
pH	3 ÷ 12		

- General industry
- Pulp & Paper applications requiring non-staining white packings



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	66.6	12		2	4.3
4		1	38.4	12.7	1/2	2	3.8
5	3/16	1	25.0	14	9/16	2	3.1
6		1	17.2	16	5/8	2 ; 4	2.4
6.4	1/4	1	15.7	18	11/16	4	1.9
8	5/16	1 ; 2	9.7	19	3/4	4	1.7
9.5	3/8	1 ; 2	7.0	20	13/16	4	1.5
10		1 ; 2	6.2	22	7/8	4	1.2
11.1	7/16	2	5.1	24	15/16	4	1.1
				25	1	4	1.0

STYLE 1077G PTK 28 YARN WITH GRAPHITE

Texturized acrylic fiber, impregnated with 30% colloidal graphite and synthetic oil. Higher heat dissipation than Style 1077.



Applications

T °C	-25 ÷ +200		
P bar	25	40	60
V m/sec	15	3	1
pH	3 ÷ 12		

- General industry



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	66.6	12		2	4.3
4		1	38.4	12.7	1/2	2	3.8
5	3/16	1	25.0	14	9/16	2	3.1
6		1	17.2	16	5/8	2 ; 4	2.4
6.4	1/4	1	15.7	18	11/16	4	1.9
8	5/16	1 ; 2	9.7	19	3/4	4	1.7
9.5	3/8	1 ; 2	7.0	20	13/16	4	1.5
10		1 ; 2	6.2	22	7/8	4	1.2
11.1	7/16	2	5.1	24	15/16	4	1.1
				25	1	4	1.0

BRAIDED PACKING



STYLE 1080 ARAMID AND SYNTHETIC CARBON YARN

Interbraided pre-oxidated PAN and aramid fibers, impregnated with 30% colloidal PTFE and synthetic oil.

T °C	-60 ÷ +260		
P bar	50	70	120
V m/sec	30	10	3
pH	1 ÷ 13		

Applications

- Slurries, polymerizing fluids, glue, pitches, abrasive fluids



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	78.2	12		2	5.5
4		1	50.0	12.7	1/2	2	5.0
5	3/16	1	32.0	14	9/16	2	4.1
6		1	22.2	16	5/8	2 ; 4	3.1
6.4	1/4	1	19.5	18	11/16	4	2.2
8	5/16	1 ; 2	12.5	19	3/4	4	2.2
9.5	3/8	1 ; 2	8.9	20	13/16	4	2.0
10		1 ; 2	8.0	22	7/8	4	1.7
11.1	7/16	2	6.5	24	15/16	4	1.4
				25	1	4	1.3

STYLE 1099 COMBIGRAPH YARN

91% Expanded graphite wrapped around 9% synthetic graphite, impregnated with non-metallic corrosion inhibitor.

T °C	-150 ÷ +650		
P bar	30*	80*	120*
V m/sec	35	3	1
pH	0 ÷ 14		

* with anti extrusion rings

Applications

- Heavy duty high temperature / high pressure pumps and valves
- High speed applications
- Abrasive and strong chemicals



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	78.2	12		2	5.5
4		1	50.0	12.7	1/2	2	5.0
5	3/16	1	32.0	14	9/16	2	4.1
6		1	22.2	16	5/8	2 ; 4	3.1
6.4	1/4	1	19.5	18	11/16	4	2.2
8	5/16	1 ; 2	12.5	19	3/4	4	2.2
9.5	3/8	1 ; 2	8.9	20	13/16	4	2.0
10		1 ; 2	8.0	22	7/8	4	1.7
11.1	7/16	2	6.5	24	15/16	4	1.4
				25	1	4	1.3

STYLE 1099R COMBIGRAPH YARN (REINFORCED)

93% Expanded graphite wrapped around 7% Inconel alloy wire, impregnated with non-metallic corrosion inhibitor.

T °C	-150 ÷ +650		
P bar	-	-	300
V m/sec	-	-	2
pH	0 ÷ 14		

Applications

- High temperature / high pressure pumps and valves
- High speed applications
- Abrasive and strong chemicals



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	78.2	12		2	5.5
4		1	50.0	12.7	1/2	2	5.0
5	3/16	1	32.0	14	9/16	2	4.1
6		1	22.2	16	5/8	2 ; 4	3.1
6.4	1/4	1	19.5	18	11/16	4	2.2
8	5/16	1 ; 2	12.5	19	3/4	4	2.2
9.5	3/8	1 ; 2	8.9	20	13/16	4	2.0
10		1 ; 2	8.0	22	7/8	4	1.7
11.1	7/16	2	6.5	24	15/16	4	1.4
				25	1	4	1.3

STYLE 1111 INCOGRAPH YARN

85% Expanded graphite wrapped around 15% Inconel alloy wire, impregnated with non-metallic corrosion inhibitor.



Applications

T °C	-150 ÷ +650		
P bar	-	-	500
V m/sec	-	-	1
pH	0 ÷ 14		

- Steam valves, sootblowers, gates



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
3	1/8	1	68.4	12		2	4.9
4		1	43.8	12.7	1/2	2	4.3
5	3/16	1	28.0	14	9/16	2	3.6
6		1	19.4	16	5/8	2 ; 4	2.7
6.4	1/4	1	16.8	18	11/16	4	2.2
8	5/16	1 ; 2	10.9	19	3/4	4	1.9
9.5	3/8	1 ; 2	9.5	20	13/16	4	1.7
10		1 ; 2	7.0	22	7/8	4	1.4
11.1	7/16	2	6.0	24	15/16	4	1.2
				25	1	4	1.1

STYLE 1300 UNSINTERED PTFE

Pure unsintered PTFE yarn with special lubricants, its softness reduces shaft friction and allows a high degree of moldability. Available with addition of graphite dispersion (Style 1301).



Applications

T °C	-50 ÷ +260		
P bar	10	20	40
V m/sec	10	5	2
pH	0 ÷ 14		

- Acids and alkalis, oils, gases, solvents, steam on centrifugal pumps, mixers and agitators.



Size		Pack	Lenght	Size		Pack	Lenght
mm	inch	Kg	mt/Kg	mm	inch	Kg	mt/Kg
4		2	32.90	12.7	1/2	5	3.3
5	3/16	2	21.10	14	9/16	5	2.7
6		2	14.60	16	5/8	5	2.1
6.4	1/4	2	12.8	18	11/16	5	1.6
8	5/16	2	8.2	19	3/4	5	1.5
9.5	3/8	2	5.8	20	13/16	5	1.3
10		2	5.3	22	7/8	5	1.1
11.1	7/16	5	4.30	24	15/16	5	0.9
12		5	3.7	25	1	5	0.8

INJECTABLE PACKING



STYLE ONE PTFE + graphite

Injectable packing compound made of **expanded PTFE** and **graphite short fibres**, mixed with tixotropic gel and special additives for heat dissipation. A revolutionary compression packing replacement, offering “zero leakage” conditions in many applications. Chemically inert, for easier plant standardization.

			
T °C	-80 ÷ +280		
P bar	20	35	70
V m/sec	20	8	4
pH	0 ÷ 14		
Vol	615 cm ³ /Kg		



STYLE TWO Twaron® fibers

Injectable packing compound of 100% para-aramid, **pure virgin Twaron® fibres** mixed with clear tixotropic and PTFE lubricants. **Will not stain or contaminate**. Especially designed for use in paper mill applications, abrasive fluids, slurries and sewage water. No flushing is necessary, resulting in great savings in water and product.

			
T °C	-35 ÷ +260		
P bar	25	40	80
V m/sec	18	4	2
pH	2 ÷ 13		
Vol	830 cm ³ /Kg		



STYLE FIVE PTFE fibers

Injectable packing compound made of **virgin PTFE textured fibres** and special inert lubricants for extremely high performances.

Meets **FDA requirements**. Ideal for packing pumps and valves in **food plants, pharmaceutical and chemical industries and drinking water production**.

No flushing is required, can be compressed close to “zero leakage”.

			
T °C	-80 ÷ +260		
P bar	20	30	60
V m/sec	8	3	1
pH	0 ÷ 14		
Vol	640 cm ³ /Kg		



STYLE SEVEN Expanded Graphite

Injectable packing compound designed for heavy duty applications of high temperature and pressure, made of **100% expanded pure graphite**. Suitable for steam valves, boiler feed and hot oil pumps, etc. No shaft or sleeve scoring. Highly recommended for use on old equipment in bad mechanical conditions.

			
T °C	-30 ÷ +600		
P bar	40	70	90
V m/sec	25	5	2
pH	0 ÷ 14		
Vol	710 cm ³ /Kg		



STYLE TF350 Unbleached PTFE

Unique chemically resistant compound based on **pure PTFE fibers and expanded PTFE pellets**, mixed with special tixotropic lubricants. A great sealant achieving close to zero leakage conditions in packed pumps, valves and other devices with a peripheral speed of up to 8 m/sec. Recommended for use in cryogenic or high temperature applications. Seals almost all fluids including aggressive chemicals. **Does not stain.**

			
T °C	-40 ÷ +260		
P bar	20	30	60
V m/sec	8	3	1
pH	0 ÷ 14		
Vol	610 cm ³ /Kg		



STYLE P99 G - P99GP Twaron® + Graphite

Pure virgin Twaron® fibers mixed with **expanded mineral graphite flakes** and special tixotropic heat resistant lubricants. This compound is designed for use in heavy duty pumps and valve applications, such as hot water, steam and diathermic oils, due to its excellent capacity for heat dissipation.

Available also as **Style P99 GP**, containing **anti friction metal pellets**, for specific use in applications with worn shafts or pumps in bad mechanical condition.

			
T °C	-20 ÷ +300		
P bar	30	50	80
V m/sec	20	5	1
pH	1 ÷ 13		
Vol	620 cm ³ /Kg		



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