



A 55 K

Braided from Carbon fiber and carbon reinforced expanded Graphite Tape

Characteristics

- Universal plant wide use in static and rotating applications
- Wear and extrusion stability through carbon fiber corner reinforcement
- Non hardening, good reset capability, coefficient of thermal expansion corresponds to the coefficient of steel
- High temperature resistance and excellent heat and electric conductivity
- Self lubricating, excellent use in pumps, minimizing the need of flushwater
- Easy to cut, assemble and disassemble
- Low coefficient of friction minimizes the adjustment force in valves
- No shaft wear, excellent dry running characteristics
- Rings should be compressed in valve applications at assembly approx. 15 - 20 % in height
- Die formed rings are recommended

Operating range

p [bar]	25	100	300
v [m/s]	30	2	
t °C	-200 ... +550		
pH	0 - 14		
g/cm ³	1.10		

Practical useful application data:
max. temperature in oxidizing atmosphere: +400 °C

Main application

- Centrifugal pumps
- Mixer
- Agitators
- Autoclave
- Filter
- Refiner
- Kneader
- Paddle dryer
- Boilerfeed pumps
- Condensate pumps
- Fittings

Suitable for

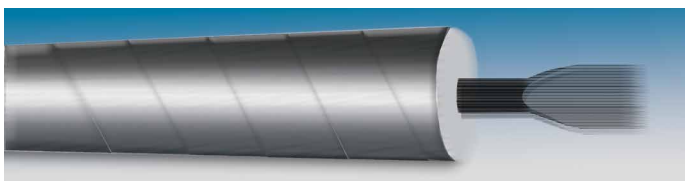
- Power plant technology
- Boiler houses
- Petrochemical plants
- Pulp and paper industry

Variant

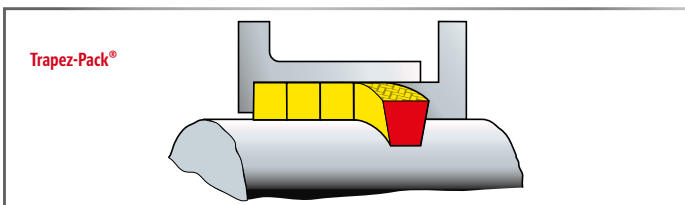
- above 10 mm in trapezoid Shape available
- trapezoid Shape Type Trapez-Pack®55 Grapho Carbo

Approvals

- Fire Safe Test API 589
- BAM for gaseous oxygen 60 °C / 20 bar



Newly developed expanded graphite yarn with integrated carbon fibre reinforcement



Form of delivery

This packing can be manufactured in dimensions from 6 to 40 mm as well as in intermediate, inch sizes and special measurements.

- 06 - 09 mm on 1kg spool
- 10 - 15 mm on 2,5 kg spool
- 16 - 25 mm on 5 kg spool

Special length, pre-cut or die formed rings on request.

1 kg of packing of the following cross-sections is equivalent to displayed meter lengths:

Size mm	Meter	Size mm	Meter
6	25.3	14 [9/16"]	4.6
6.4 [1/4"]	22.5	15	4.0
8 [5/16"]	14.2	16 [5/8"]	3.6
9.5 [3/8"]	10.1	18	2.8
10	9.1	19 [3/4"]	2.5
11 [7/16"]	7.4	20	2.3
12	6.3	22 [7/8"]	1.9
13 [1/2"]	5.6	25 [1"]	1.5

All technical information and advice is based on our experience and will be given most conscientiously but without any liability.

Indication and figures are for guidance only and need to be examined by the user. All sizes are subject to manufacturing tolerances. We reserve the right to modify specifications at any time.

Please note that the technical values cannot be used all at the same time in their maximum values.