

# Champion Graphite Reinforced (Inconel)

## Style 668 (I)

PURE EXPANDED GRAPHITE INCONEL WIRE REINFORCED METALLIC GLAND PACKING

High quality carbon yarn for stuffing box with excellent mechanical strength



### CHAMPION Style 668 (I) Graphite

**Reinforced (Metallic) Packing** is a 100% non-asbestos expanded pure graphite braided gland packing reinforced with Inconel wire mesh. This packing is an premium packing made of expanded graphite yarn reinforced with a metallic wire having a core of carbonized filament. High flexibility and resilience and further treated with a corrosion inhibitor.

#### Key Features:

- Proper dissipation of heat due to good thermal conductance.
- Excellent performance under extreme conditions.
- Non-abrasive and low coefficient of friction.
- High chemical resistance and Corrosion inhibitor safeguards metallic interfaces from galvanic corrosion.
- Single wire reinforcement enhances the mechanical strength of the packing to resist continuous pressure.

#### Applications:

### CHAMPION Style 668 (I) Graphite

**Reinforced (Metallic) Packing** can be used as Valves and autoclaves, and also be used on slow speed rotary duties with rotary kilns. Suitable for use with superheated steam and saturated steam, hydrocarbons, petrochemicals, thermic fluids and hot oils. This product is recommended for continuous pressures only: it should not be used where pressure surges occur.

#### Service Media:

Water, Superheated and saturated steam, oils, organic solvents, hydrocarbons, chemical products, petrochemicals, thermic fluids, corrosive fluids (other than oxidizing acids) and low temperature fluids.

#### How Supplied:

All popular sections from 3mm to 25mm in boxes containing length of 10m or in coil form by meter or 1/2.5 kilograms. Also supplied as split pre-formed rings and ring sets. Special size and lengths available on request.

Spool ordering information					
Size		Standard Packaged ( $\pm 10\%$ )			
mm	inch	Meter/kg	Meter/box	Kg/coil (Lbs)	
3	3/32	74.07	10.00	0.01 (0.02)	
4	1/8	41.67	10.00	0.02 (0.04)	
5	3/16	26.67	10.00	0.04 (0.08)	
6	1/4	19.84	19.84	1 (2.2)	
8	5/16	12.50	12.50	1 (2.2)	
10	3/8	8.00	8.00	1 (2.2)	
12	1/2	5.57	5.57	1 (2.2)	
14	9/16	4.44	4.44	1 (2.2)	
16	5/8	3.72	3.72	1 (2.2)	
19	3/4	2.64	6.60	2.5 (5.5)	
22	7/8	2.07	5.17	2.5 (5.5)	
25	1	1.60	4.00	2.5 (5.5)	



#### VALVE STEM DUTIES

##### Maximum Operating Temperature:

- +650°C / +1200°F (Steam)
- +450°C / +842°F (Oxidising)
- +1000°C / +1800°F (Non Oxidising)

##### Minimum Operating Temperature:

-200°C / -328°F

##### Maximum System Pressure:

30 MPa / 300 Bar (4351 psi)



#### CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

##### Maximum Operating Temperature:

- +650°C / +1200°F (Steam)
- +450°C / +842°F (Oxidising)
- +1000°C / +1800°F (Non Oxidising)

##### Minimum Operating Temperature:

-200°C / -328°F

##### Maximum Shaft Speed:

20 m/s (3937 fpm)

##### Maximum System Pressure:

2.5 MPa / 25 Bar (362 psi)

##### Minimum Sleeve Hardness:

30 HRC



## CHAMPION SEALS INDIA PRIVATE LIMITED

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