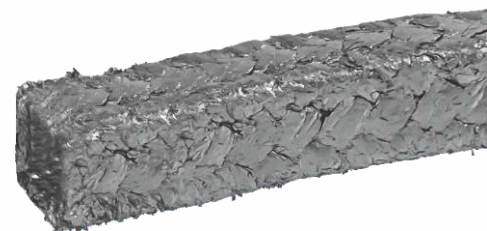


# Champion Graphite

## Style 668 NM



### PURE EXPANDED GRAPHITE GLAND PACKING

High quality carbon yarn for stuffing box with corrosion inhibitor

**Champion Style 668 Non Metallic Pure Graphite Packing** is manufactured from high purity flexible graphite that is expanded and formed into a yarn and then braided without binders or wire reinforcement. It is treated with corrosion inhibitor.

The finished product retains all the inherent benefits of flexible graphite:

- Proper dissipation of heat due to good thermal conductance.
- High Chemical Resistance.
- Low co-efficient of friction.
- Self lubrication and non Abrasive.
- Corrosion inhibitor safeguards metallic interfaces from galvanic corrosion.

#### Applications:

**Champion Style 668 NM-Pure Gland Packing** has outstanding properties at high temperature, high pressure making it a truly multi-service packing in valves, pumps, expansion joints, mixers and agitators in the environments of hydrocarbon processing, pulp and paper, power generation, metal-working, steel mills and other industries.

#### 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. Recommended for continuous pressures only.

#### How Supplied:

All popular sections from 3mm to 25mm in boxes containing length of 10M/25M/50M 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 (± 10%)		
mm	inch	Meter/kg	Meter/box	Kg/coil (Lbs)
3	3/32	74.07	10.00	0.14 (0.30)
4	1/8	41.67	10.00	0.24 (0.52)
5	3/16	26.67	10.00	0.38 (0.83)
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)
12.5	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)  
**Minimum Operating Temperature:**  
-200°C / -328°F  
**Maximum System Pressure:**  
30 MPa / 300 Bar (4350 psi)



#### RECIPROCATING PUMPS AND RAMS

**Maximum Operating Temperature:**  
+650°C / +1200°F (Steam)  
+450°C / +842°F (Oxidising)  
**Minimum Operating Temperature:**  
-200°C / -328°F  
**Maximum System Pressure:**  
20 MPa / 200 Bar (2900 psi)  
**Maximum Rod Speed:**  
2.0 m/s (393 fpm)\*



#### CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

**Maximum Operating Temperature:**  
+650°C / +1200°F (Steam)  
+450°C / +842°F (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

\*Kindly consult Champion Technical Support for higher speed duties.



## CHAMPION SEALS INDIA PRIVATE LIMITED

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