

# Champion

## Style 68 CC

PURE EXPANDED GRAPHITE WITH CARBON CORNERS

Improved sealing properties and reliability at elevated temperatures and pressures



**CHAMPION Style 68 CC Graphite Carbon Packing** is a Expanded Pure Graphite Braided is a specially developed packing that combines the advantages of soft expanded high purity 99% graphite yarn with the toughness of carbon fibre yarn at its four corners. This packing is fully treated with an inorganic passive corrosion inhibitor

#### Key Features:

- Recommended for applications at high working temperatures with corrosive media.
- Very Good resistance to abrasion and wear at high pressures.
- Excellent dry-running capabilities that reduce the need for continuous water flushing.
- Corrosion inhibitor safeguards metallic interfaces from galvanic corrosion.
- High resistance to extrusions.

#### Applications:

**CHAMPION Style 68 CC Graphite Carbon Packing** can be used in both dynamic and static applications for pumps, valves, autoclaves, converters, mixers and reactors. Preferred for high performance applications in power stations, refineries, chemical processing plants, paper mills.

Chemical compatible with media in the range pH 0 -14, excluding strong oxidising agents.

#### Service Media:

Suitable for duties with steam, acids and alkalis, hydrocarbons, fuel and lubricating oils, FCC catalyst and bottom slurry, hydrogen sulphide, sulphur dioxide, thermic fluid, and abrasive media such as ash slurry, fly ash water and sea water.

#### How Supplied:

All popular sections from 6mm 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)
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:**  
3.5 MPa/ 35 Bar (507 psi)

**Minimum Sleeve Hardness:**  
30 HRC

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



## CHAMPION SEALS INDIA PRIVATE LIMITED

Champion House, 15 Parsi Panchayat Road, Andheri (East), Mumbai – 400069. India  
Product Inquiry : info@championseals.in  
Customer Care Number : +91 98201 71162  
Website : www.championseals.in

