

# Champion

## Style 68 RC

PURE EXPANDED GRAPHITE WITH REINFORCED CARBON

High strength versatile graphite packing suitable for most pumps and valves applications



### CHAMPION Style 68 RC 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 as reinforcement to improve tensile strength. This packing is fully treated with an inorganic passive corrosion inhibitor.

#### Key Features:

- Recommended for applications at high working temperatures and pressures
- Very Good resistance to abrasion and wear due to high tensile strength.
- Excellent dry-running capabilities that reduce the need for continuous water flushing.
- Corrosion inhibitor safeguards metallic interfaces from galvanic corrosion.
- Readily adapts to worn or pitted surfaces for smooth running under adverse mechanical conditions also.

#### Applications:

**CHAMPION Style 68 RC Graphite Carbon Packing** is used for the sealing of pumps, valves, mixers and sliders. Preferred for high performance applications in power supplying industry, metallurgy, oil 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 boiler supply, condensate, soot service, fuels and lubricating oils, black, white and green slurry, high and low density pulp, treatment of waste water and minerals.

#### 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 / +1170°F

**Minimum Operating Temperature:**

-50°C / -58°F

**Maximum System Pressure:**

25 MPa/ 250 Bar (3625 psi)



#### RECIPROCATING PUMPS AND RAMS

**Maximum Operating Temperature:**

+650°C / +1170°F

**Minimum Operating Temperature:**

-50°C / -58°F

**Maximum System Pressure:**

10 MPa/ 100 Bar (1450 psi)

**Maximum Rod Speed:**

2 m/s (393 fpm)\*



#### CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

**Maximum Operating Temperature:**

+650°C / +1170°F

**Minimum Operating Temperature:**

-50°C / (-58°F)

**Maximum Shaft Speed:**

20 m/s (3937 fpm)

**Maximum System Pressure:**

2 MPa/ 20 Bar (290 psi)

**Minimum Sleeve Hardness:**

30 HRC



## CHAMPION SEALS INDIA PRIVATE LIMITED

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