

Champion Carbosuper™

Style 38

PREMIUM CARBON GLAND PACKING

High performance carbon fibre having excellent strength with low friction & heat dissipation



CHAMPION CARBOSUPER™ Style 38

Carbon Packing is manufactured from a high purity carbon filament yarn and thoroughly impregnated with special grade PTFE graphite mixture and a corrosion inhibitor.

Key Features:

- Excellent heat dissipation and low friction qualities.
- Corrosion inhibitor prevents galvanic corrosion when used on applications with steam.
- Strong, pliable and abrasion resistant.
- Inter-braiding plus blocking agent ensures leak-free construction.
- The packing has excellent resistance to chemicals.

Applications:

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Carbon Packings are best suited for high speed, high temperature and pressure applications in sealing boiler feed pumps, super heat steam, agitators, mixers, digester, crystallisers.

It is recommended for valve stem packing and for pump seals.

Service Media:

Compatible with media in the range pH 1-14 suitable for use with Acid, Alkali, Solvent, Boiler Feed Water, Caustic, Liquor, Oil, Gasses, Hydrocarbons, super-heated steam, solvents, oils, non oxidising mineral acids and alkalies. Not recommended for Oxygen, fuming nitric acid, Fluorine, strong oxidising agents and Aqua Regia.

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 (±10%)		
mm	inch	Meter/kg	Meter/box	Kg/coil (Lbs)
3	1/8	61.73	10.00	0.16 (0.35)
4	5/32	39.06	10.00	0.26 (0.57)
5	3/16	25.00	10.00	0.40 (0.88)
6	1/4	18.52	6.00	0.54 (1.19)
8	5/16	10.78	6.00	0.93 (2.05)
10	3/8	6.90	6.00	1.45 (3.19)
12.5	1/2	4.57	3.00	2.19 (4.82)
14	9/16	3.64	3.64	1 (2.2)
16	5/8	2.89	2.89	1 (2.2)
19	3/4	2.13	5.33	2.5 (5.5)
22	7/8	1.59	3.97	2.5 (5.5)
25	1	1.23	3.08	2.5 (5.5)



VALVE STEM DUTIES

Maximum Operating Temperature:

+650°C / +1200°F (Steam)
+460°C / +842°F

Minimum Operating Temperature:

-200°C / -328°F

Maximum System Pressure:

30 MPa / 300 Bar (4350 psi)



RECIPROCATING PUMPS AND RAMS

Maximum Operating Temperature:

+460°C / +842°F

Minimum Operating Temperature:

-200°C / -328°F

Maximum System Pressure:

15 MPa / 150 Bar (2175 psi)

Maximum Rod Speed:

2.0 m/s (393 fpm)*



CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperature:

+460°C / +842°F

Minimum Operating Temperature:

-200°C / -328°F

Maximum Shaft Speed:

2 m/s (393 fpm)

Maximum System Pressure:

2 MPa / 20 Bar (290 psi)

Minimum Sleeve Hardness:

30 HRC



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*Kindly consult Champion Technical Support for higher speed duties.