

Champion Kombiflon™

Style 176

COMBINATION PACKING FOR
HIGHLY ABRASIVE CHEMICAL MEDIA

High performance ePTFE graphite packing
with aramid corners



CHAMPION KOMBIFLON™ Style 176 is a Combination Packing with tough para aramid fibre yarn (with each strand impregnated with PTFE dispersion and lubricated with Silicone oil) cross-plaited at the corners, ePTFE and graphite fibre yarn at the seam strands.

Key Features:

- Excellent abrasion resistance.
- Low shaft wear due to PTFE graphite yarn dissipating heat and providing low friction face to the shaft.
- Superior compression and recovery characteristics with out-of-true shafts and spindles.
- Exceedingly durable packing, with inherent dimensional stability, that offers high integrity sealing throughout its operational life.

Applications:

CHAMPION KOMBIFLON™ Style 176 Combination Packings are used primary for sealing in high temperature, high pressure, abrasive media applications. Typical applications are valves, pumps, agitators, rotary and reciprocating applications in chemical process industries. Suitable for duties with ammonia and carbamate solutions, hydrazine, trisodium phosphate, sodium hexametaphosphate, black and green liquor, chemical slurries, paper pulp, contaminated water and molasses. Suitable for highly abrasive and slurry media.

Service Media:

Compatible with media in the range pH 2-13, including water, steam, fuels, oils, solvents, waxes, and mild acids and alkalis.

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. 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	NA	NA	NA
4	5/32	NA	NA	NA
5	3/16	23.53	10.00	0.43 (0.94)
6	1/4	16.34	16.34	1 (2.2)
8	5/16	9.77	9.77	1 (2.2)
10	3/8	6.25	6.25	1 (2.2)
12.5	1/2	4.13	4.13	1 (2.2)
14	9/16	3.29	3.29	1 (2.2)
16	5/8	2.60	2.60	1 (2.2)
19	3/4	1.85	4.62	2.5 (5.5)
22	7/8	1.38	3.44	2.5 (5.5)
25	1	1.07	2.67	2.5 (5.5)



VALVE STEM DUTIES

Maximum Operating Temperature:

+280°C / +536°F

Minimum Operating Temperature:

-200°C / -328°F

Maximum System Pressure:

25 MPa / 250 Bar (3626 psi)



RECIPROCATING PUMPS AND RAMS

Maximum Operating Temperature:

+280°C / +536°F

Minimum Operating Temperature:

-200°C / -328°F

Maximum System Pressure:

10 MPa / 100 Bar (1450 psi)

Maximum Rod Speed:

2.0 m/s (393 fpm)*



CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperature:

+280°C / +536°F

Minimum Operating Temperature:

-200°C / -328°F

Maximum Shaft Speed:

24 m/s (4725 fpm)

Maximum System Pressure:

2.5 MPa / 25 Bar (362 psi)



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