

Champion Drylon™

Style 1



PREMIUM 100% DRY PTFE GLAND PACKING

FDA confirming food grade ePTFE packing for cleanliness

CHAMPION DRYLON™ Style 1 Packing is an interlocked braided packing made of premium FDA approved food grade pure dry ePTFE fibre yarn. It is non-toxic, and contains no lubricants or additives.

Key Features:

- Very low coefficient of friction.
- Good dimensional stability.
- Long service-free life, with virtually no volume loss due to chemical action.
- Minimal wear on shafts and sleeves.
- Very little gland adjustment needed after initial installation.
- High Compressibility.

Applications:

CHAMPION DRYLON™ Style 1 Packing is commonly used in valves and lower shaft speed applications, Slow speed centrifugal, reciprocating pumps and other rotary equipment in applications where hygiene and the low friction characteristics of pure PTFE are required. It is also suitable for use with potable water, food contact applications and pharmaceutical products since it does support bacterial growth or cause product contamination.

Service Media:

Inert to chemicals within the range pH 0-14, excluding molten alkali metals, fluorine compounds and aqua regia. Can be used in concentrated acids, alkalis and aggressive vapours and gases.

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	29.76	10.00	0.34 (0.75)
5	3/16	21.05	10.00	0.48 (1.06)
6	1/4	16.34	16.34	1 (2.2)
8	5/16	9.19	9.19	1 (2.2)
10	3/8	6.67	6.67	1 (2.2)
12.5	1/2	4.27	4.27	1 (2.2)
14	9/16	3.40	3.40	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	1.42	3.56	2.5 (5.5)
25	1	1.10	2.76	2.5 (5.5)



VALVE STEM DUTIES

Maximum Operating Temperature:

+280°C / +536°F

Minimum Operating Temperature:

-268°C / -450°F

Maximum System Pressure:

25 MPa / 250 Bar (3636 psi)



RECIPROCATING PUMPS AND RAMS

Maximum Operating Temperature:

+280°C / +536°F

Minimum Operating Temperature:

-268°C / -450°F

Maximum System Pressure:

15 MPa / 150 Bar (2175 psi)

Maximum Rod Speed:

0.5 m/s (98 fpm)*



CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperature:

+280°C / +536°F

Minimum Operating Temperature:

-268°C / -450°F

Maximum Shaft Speed:

5 m/s (984 fpm)

Maximum System Pressure:

2 MPa / 20 Bar (290 psi)

Minimum Sleeve Hardness:

30 HRC

APPROVALS / COMPLIANCE

FDA 21 CFR170.39

*Kindly consult Champion Technical Support for higher speed duties.



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