

Champion Duragold™ Plus

Style 175



PREMIUM ARAMID GLAND PACKING

High performance aramid packing having excellent chemical resistance



CHAMPION DURAGOLD™ Plus Style 175

Aramid Packing abrasion resistant to chemicals at high temperature. This performance packing is crossplaited from premium para aramid high tensile yarns. It is thoroughly impregnated with our proprietary PTFE-based dispersion and then treated with special lubricants to enhance overall performance.

Key Features:

- Special PTFE impregnation process to avoid shaft erosion and start up friction.
- Tough aramid construction provides dimensional stability and resistance to deformation.
- Minimal maintenance cost.
- Absorbs eccentric shaft/ram actions and thermal/pressure shocks and cycling.

Applications:

CHAMPION DURAGOLD PLUS™ Style 175 Aramid Packings are used primary for sealing in high temperature, abrasive media and slurry applications i.e. ash slurry, fly ash. Typical applications are valves, pumps, agitators, rotary and reciprocating applications in solvents, mild alkalies handling abrasive and aggressive media in pulp and paper mills, petrochemical plants, power stations, metallurgical plants, sewage works. Suitable for duties with suitable for potable water, medium pressure steam, and hardening fluids.

Service Media:

Water type fluids (water/steam), oil type fluids, organic solvents, hydrocarbons, chemical products, corrosive fluids (other than oxidizing acids) and low temperature fluids. Not recommended for oxygen, fuming nitric acid.

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	48.31	10.00	0.20 (0.44)
4	5/32	36.76	10.00	0.26 (0.57)
5	3/16	23.53	10.00	0.41 (0.91)
6	1/4	16.84	16.84	1 (2.2)
8	5/16	9.47	9.47	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	1.91	4.78	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:

+250°C / +482°F

Minimum Operating Temperature:

-200°C / -328°F

Maximum System Pressure:

25 MPa / 250 Bar (3626 psi)



RECIPROCATING PUMPS AND RAMS

Maximum Operating Temperature:

+250°C / +482°F

Minimum Operating Temperature:

-200°C / -328°F

Maximum System Pressure:

15 MPa / 150 Bar (2175 psi)

Maximum Rod Speed:

2 m/s (393 fpm)*



CENTRIFUGAL PUMPS AND ROTARY EQUIPMENT

Maximum Operating Temperature:

+250°C / +482°F

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:

45 HRC



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