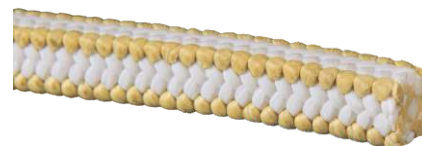


# Champion Duralon™

## Style 172



### ARAMID-PTFE (COMBINATION) PACKING

High performance aramid / ePTFE having excellent abrasion resistance with low friction



#### CHAMPION DURALON™ STYLE 172 PTFE

**Aramid Packing** is combination packing with tough aramid fibre yarn cross-plaited at the corners, ePTFE Lubricated fibre yarn at the seam strands. Each stand of yarn is uniformly impregnated with PTFE dispersion and temperature resistant lubricants.

#### Key Features:

- Tough aramid construction provides dimensional stability and resistance to deformation.
- ePTFE core dissipates heat, provides improved compressibility, low friction and low wear on shafts.
- Dense construction provides excellent sealability and the structure generates maximum resistance to extrusions.

#### Applications:

#### CHAMPION STYLE DURALON™ 172 PTFE

**Aramid Packings** are used primary for sealing in high temperature, high pressure reciprocating and rotating applications i.e. valves, pumps (dosing and plunger), agitators, rotary and reciprocating applications in chemical process industries. Suitable for pigments, dyestuffs, paints, amide, detergents, hydrazine, trisodium phosphate, sodium hexametaphosphate, most gases, ammonia, urea and carbamate condensate in fertiliser plant, aromatic solvents and Carbamate services, abrasive and slurry media.

#### Service Media:

Compatible with media in the range pH 1-13, including water, oils, solvents, medium strength acids and alkalis.

#### How Supplied:

All popular sections from 4mm 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)
4	5/32	34.72	10.00	0.29 (0.63)
5	3/16	24.24	10.00	0.41 (0.91)
6	1/4	15.43	15.43	1 (2.2)
8	5/16	9.47	9.47	1 (2.2)
10	3/8	6.25	6.25	1 (2.2)
12	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	1.48	3.69	2.5 (5.5)
25	1	1.14	2.86	2.5 (5.5)



#### VALVE STEM DUTIES

**Maximum Operating Temperature:**

+250°C / +482°F

**Minimum Operating Temperature:**

-100°C / -148°F

**Maximum System Pressure:**

25 MPa / 250 Bar (3626 psi)



#### RECIPROCATING PUMPS AND RAMS

**Maximum Operating Temperature:**

+250°C / +482°F

**Minimum Operating Temperature:**

-100°C / -148°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:**

+250°C / +482°F

**Minimum Operating Temperature:**

-100°C / -148°F

**Maximum Shaft Speed:**

20 m/s (3937 fpm)

**Maximum System Pressure:**

2 MPa / 20 Bar (290 psi)



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