

Thomson CHEM-2

General service compression packing,
rotary and valve applications 0–14 pH



FEATURES / BENEFITS

- Low coefficient of friction, self lubricating - increases equipment life and reliability MTBR (mean time between repairs).
- High strength fiber - reduces sleeve wear and maintenance costs.
- Universal packing applications - saves inventory costs.
- Easy to cut, install and remove.

TYPICAL APPLICATIONS

- Extreme chemical service.
- Acids, caustics and petroleum products.
- Higher shaft speeds than conventional Teflon® packing.
- Soft conformable packing for a broad range of pump and valve applications at medium pressures.
- Rotating equipment pumps, agitators, mixers, blenders, reciprocating pumps and valves.
- Universal packing applications.

SPECIFICATIONS

Construction:

Expanded PTFE (ePTFE), lubricated, graphite impregnated fiber. Square Interbraid.

Temperature, max:

-400°F (-240°C) to +550°F (+288°C)

Pressures:

Rotary: 500 psi (35 bar)

Reciprocating pump: 2000 psi (138 bar)

Valves: 2900 psi (200 bar)

*Please contact A.R. Thomson Group if applications require higher pressures.

Speed:

4900 fpm (25 m/s)

pH range:

0–14 (except strong oxidizers)

See reverse for ordering information.

ORDERING INFORMATION - CHEM-2

Specify Thomson style, size and quantity (lbs) required.

Size	1/8"	3/16"	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"
Approx. (ft/lb)	84	38	19.8	13.4	9.8	7.5	5.2	4.5	3.5	2.6	2.0	1.4
Std pkg (lbs)	2/5	2	1/2/5	1/2/5	1/5/10	5/25	1/5/10/25/50	5/10	5/10/25	10/25/50	10/25	10/25/50

Also available in metric sizes, die formed pre-packaged sets, and specialty cut lengths.
Contact A.R. Thomson Group for any special requirements.

SHAFT SPEED CONVERSION CALCULATIONS

Feet per minute (fpm)	Meter per second (m/s)
Shaft / sleeve diameter (in) x RPM x 0.262 = fpm	Shaft / sleeve diameter (in) x RPM x 0.0013299 = m/s
Shaft / sleeve diameter (mm) x RPM x 0.0103 = fpm	Shaft / sleeve diameter (mm) x RPM x 0.0000524 = m/s



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