

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 - save 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.

Max Speed:

4000 fpm (20 m/s)

Temperatures:

-400°F (-240°C) to
550°F (288°C)

pH range:

0–14 (except
strong oxidizers)

Max Pressure:

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.

Teflon® is a registered trademark of Dupont.
All trademarks remain property of their respective holders and are used only to directly describe the products being provided.

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"
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

AUTHORIZED DISTRIBUTOR



Limitation of liability: actual performance may vary and is determined by factors unique to a given application. It is recommended that care be taken in the selection and application of materials for hazardous services and controlled testing be undertaken to determine suitability for a specific application. A.R. Thomson Group does not make or imply any warranty of suitability for a particular purpose and is not liable for any damages arising from the use of the information in this sheet.

 **A.R. THOMSON GROUP INC.**

Locations across Canada to serve you. For your nearest branch, please visit: www.arthomson.com

Copyright © A.R. Thomson Group - All rights reserved.

arthomson.com