

Thomson CHEM-ONE

Pulp and paper, chemical,
pump and valve service packing



FEATURES / BENEFITS

- **Non-abrasive:** saves shaft sleeves.
- **Non-asbestos:** reduces handling cost.
- **Non-contaminating:** will not degrade product.
- **High-strength:** extrusion-resistant, lower wear, longer life.
- **Broad chemical compatibility:** saves inventory costs by using one style for all applications.
- Reduces maintenance costs.

TYPICAL APPLICATIONS

- Extreme chemical service such as pumps handling caustic - white/black and green liquor.
- Higher pressure capability than carbon and Teflon® based packings.
- Pulp and Paper industry: digester related equipment, steaming vessel, top separator, bottom outlet, HP feeder, LP feeder.
- Slurry applications that require extrusion-resistant packing, e.g. worn equipment.

SPECIFICATIONS

Construction:

Teflon® impregnated, high strength carbon filament yarn with polybenzimidazole (PBI®) reinforcing braid/anti-extrusion corners. Square interbraid.

Temperatures:

-328°F (-200°C) to +600°F (+315°C)

Pressure:

To 500 psi rotary. For reciprocating or valve service, consult A.R. Thomson Group with application details.

Speed:

3000 fpm (15 m/s)

pH range:

0–12

See reverse for ordering information.

ORDERING INFORMATION - CHEM-ONE

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

Size	1/4"	5/16"	3/8"	7/16"	1/2"	9/16"	5/8"	3/4"	7/8"	1"	1-1/4"
Approx. (ft/lb)	22.4	16.7	11.8	8.9	6.7	5.5	5.0	3.3	2.2	1.7	0.7
Std pkg (lbs)	1/5	5	1/5	5/25	5/10/25	5	5/10/25	5/10/25	10/25	10/25	25

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.



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

Copyright © A.R. Thomson Group - All rights reserved. v1.2