

## Thomson CHEM-4

General service, chemically resistant compression packing - rotating equipment and valve applications



### FEATURES / BENEFITS

- Chemically resistant 0–14 pH - reduces inventory costs.
- Non-contaminating - will not degrade product.
- Non-Asbestos - reduces handling cost.
- High strength - longer life.
- Reduces maintenance and parts costs.
- \*Should not be used in chlorine.

### TYPICAL APPLICATIONS

- Highly corrosive media: aggressive acids, strong caustics and solvents.
- Chemical service at low to medium shaft speeds.
- Applications demanding a chemically resistant compression packing.
- Rotating equipment applications and valve service.

### SPECIFICATIONS

**Construction:**

Teflon® filament yarn with PTFE dispersion and an inert break-in lubricant. Square interbraid.

**Temperatures:**

To -450°F (-268°C) to +500°F (+260°C)

**Pressure:**

To 300 psi rotary (20 bar)

**Speed:**

To 1500+ fpm (7.6 m/s)

**pH range:**

0–14

See reverse for ordering information.

## ORDERING INFORMATION - CHEM-4

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"
<b>Approx. (ft/lb)</b>	16.7	12	9.2	6.7	5.4	4.4	3.5	2.3
<b>Std pkg (lbs)</b>	2	2	1/5	5/10	5/10	5/10	5/10	5/10

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.



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