

Thomson

CHEM-II GFO®



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, GORE® GFO® fiber. Square Interbraid.

Max Speed:

To 4300 fpm (22 m/s)

Max Temperatures:

To 550°F (288°C)

pH range:

0–14 (except strong oxidizers)

Pressure:

Rotary: 300 psi (22 bar)

Reciprocating pump: 2000 psi (138 bar)

Valves: 2000 psi (138 bar)

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

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ORDERING INFORMATION - CHEM-II GFO®

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"	25/32"	7/8"	1"
	3 mm	5 mm	6 mm	8 mm	9 mm	11mm	13 mm	14 mm	16 mm	19 mm	20 mm	22 mm	25 mm
Approx. (ft/lb)	62.5	42.6	19.8	13.4	10.8	7.5	6.3	4.5	3.5	2.6	2.3	2.0	1.4
Std pkg (lb)	1		•	•	•		•						
	2	•	•	•	•								
	5	•		•	•	•	•	•	•				
	10					•		•	•	•	•	•	•
	25						•	•	•	•	•	•	•
	50							•		•	•		•
Allowable Dimensions (in):	.110– .140	.172– .202	.218– .282	.280– .344	.343– .407	.405– .469	.468– .532	.530– .594	.593– .657	.718– .782	.755– .819	.843– .907	.968– 1.032

Also available in metric sizes, die formed pre-packaged sets, specialty cut lengths, and continuous spools. 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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