A.R. THOMSON GROUP INC.
GASKETS • SEALS • PACKING • INSTRUMENTATION VALVES & FITTINGS

Thomson
CHEM-ONE

Pulp and paper, chemical, pump and valve service packing.

FEATURES / BENEFITS

- Non-abrasive: saves shaft sleeves.
- Non-contaminating: will not degrade media.
- 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.

Max Speed:
3000 fpm (15 m/s)

Temperatures:
-328°F (-200°C) to 600°F (315°C)

pH range:
0–12

Max Pressure:
To 500 psi rotary.

*For reciprocating or valve service, consult A.R. Thomson Group with application details.

PBI® is a registered trademark of Celanese Corporation. 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-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”	1-1/14”
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

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A.R. THOMSON GROUP INC.

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