

Thomson CHEM-4 FDA

PTFE Filament

Food grade compression packing

Rotating equipment, valve applications

Ingredients conform to USDA & FDA requirements.



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

- Food grade compression packing Rotating equipment, valve applications. Ingredients conform to USDA requirements and meet FDA title 21 CFR 172.878, 177.1550, 178.3570, 178.3620(a)
- Chemical service at low to medium shaft speeds.
- Applications that demand chemically resistant compression packing.
- Rotating equipment applications and valve service.

SPECIFICATIONS

Construction:

Food grade compression packing. PTFE filament c/w PTFE dispersion/mineral oil. 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 FDA

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"
Approx. (ft/lb)	16.7	12	9.2	6.7	5.4	4.4	3.5	2.3
Std pkg (lbs)	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

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