

## Thomson FLUSH-PAK

Flexible graphite, offset square packing for pumps and valves



### FEATURES / BENEFITS

- **Offset square design** makes installation easy; ensures tight seal in worn or oversize stuffing boxes. Construction allows the flexible graphite to fill voids in the radial cross section.
- **All-graphite construction:**
  - Maximizes reliability and stability in high temperatures. Also provides excellent chemical resistance.
  - Dissipates heat quickly so equipment runs cooler and requires less flush water and less energy.
- Graphite filament reinforcement resists extrusion in high pressure applications.
- Spool stock convenience reduces inventory downtime.

### TYPICAL APPLICATIONS

- Most rotary applications.
- Steam service.
- Valves - c/w passive corrosion inhibitor required for valve service.

### SPECIFICATIONS

#### Construction:

Flexible graphite yarn reinforced with graphite filament (no PTFE) c/w passive corrosion inhibitor. Offset square interbraid.

#### Temperature:

Min: -328°F (-200°C)

Max:

To +1200°F (+650°C) steam

To +850°F (+455°C) atmosphere

#### Pressure, max:

Valves: 4000 psi (275 bar) without end rings

Pumps: 500 psi (34 bar) rotary

#### Shaft speed:

4800 fpm (23 m/s)

#### pH range:

0–14 (except strong oxidizers)

See reverse for ordering information.

## ORDERING INFORMATION - FLUSH-PAK

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

| DIMENSIONS* (A x B) |           | YIELD    | STANDARD PACKAGE SIZE |      |           |       |
|---------------------|-----------|----------|-----------------------|------|-----------|-------|
| inches              | mm        |          | ft/lb                 | lbs  | kg        |       |
| <b>A</b>            | <b>B</b>  | <b>A</b> | <b>B</b>              |      |           |       |
| 1/8"                | x 3/16"   | 3.2      | x 4.8                 | 71.4 | 1# SPOOL  | 0.453 |
| 1/8"                | x 3/16"   | 3.2      | x 4.8                 | 71.4 | 5# SPOOL  | 2.27  |
| 3/16"               | x 1/4"    | 4.8      | x 6.4                 | 37.0 | 1# SPOOL  | 0.453 |
| 3/16"               | x 1/4"    | 4.8      | x 6.4                 | 37.0 | 5# SPOOL  | 2.27  |
| 1/4"                | x 5/16"   | 6.4      | x 8.0                 | 27.8 | 1# SPOOL  | 0.453 |
| 1/4"                | x 5/16"   | 6.4      | x 8.0                 | 27.8 | 5# SPOOL  | 2.27  |
| 5/16"               | x 3/8"    | 8.0      | x 9.5                 | 16.0 | 1# SPOOL  | 0.453 |
| 5/16"               | x 3/8"    | 8.0      | x 9.5                 | 16.0 | 5# SPOOL  | 2.27  |
| 3/8"                | x 7/16"   | 9.5      | x 11.1                | 11.3 | 1# SPOOL  | 0.453 |
| 3/8"                | x 7/16"   | 9.5      | x 11.1                | 11.3 | 5# SPOOL  | 2.27  |
| 7/16"               | x 1/2"    | 11.1     | x 12.7                | 10.0 | 5# SPOOL  | 2.27  |
| 7/16"               | x 1/2"    | 11.1     | x 12.7                | 10.0 | 10# SPOOL | 4.54  |
| 1/2"                | x 9/16"   | 12.7     | x 14.3                | 8.4  | 5# SPOOL  | 2.27  |
| 1/2"                | x 9/16"   | 12.7     | x 14.3                | 8.4  | 10# SPOOL | 4.54  |
| 9/16"               | x 5/8"    | 14.3     | x 15.9                | 5.7  | 5# SPOOL  | 2.27  |
| 5/8"                | x 11/16"  | 15.9     | x 17.5                | 5.0  | 5# SPOOL  | 2.27  |
| 5/8"                | x 11/16"  | 15.9     | x 17.5                | 5.0  | 10# SPOOL | 4.54  |
| 11/16"              | x 3/4"    | 17.5     | x 19.1                | 3.8  | 10# SPOOL | 4.54  |
| 3/4"                | x 13/16"  | 19.1     | x 20.6                | 3.4  | 5# SPOOL  | 2.27  |
| 3/4"                | x 13/16"  | 19.1     | x 20.6                | 3.4  | 10# SPOOL | 4.54  |
| 7/8"                | x 15/16"  | 22.2     | x 23.8                | 2.9  | 10# SPOOL | 4.54  |
| 1"                  | x 1-1/16" | 25.4     | x 26.97               | 2.2  | 10# SPOOL | 4.54  |

\*Material is ordered and packaged by the "a" dimension.

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

Contact A.R. Thomson Group for any special requirements.

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