

## REINFORCED HYBRID PACKING

### Low Friction, High-Strength Sealing

Style FAB-5001 weaves premium PTFE/graphite filament together with rugged polyphenylene sulfide (PPS) yarn, together with an inert blocking agent. The resulting braid maintains uniform density and tensile strength while preserving the individual advantages of each constituent fiber.

### KEY CHARACTERISTICS

- **Enhanced Extrusion Resistance:** PPS reinforcement markedly boosts strength, allowing FAB-5001 to outperform packings made of PTFE/graphite alone.
- **Low-Friction Start-Up:** A proprietary, high-velocity lubricant speeds break-in and keeps running torque to a minimum.
- **Broad Service Envelope:** Suitable for valves, centrifugal pumps, high-speed rotary and reciprocating pumps.
- **Thermal & Chemical Resilience:** Graphite dissipates heat effectively, PTFE ensures wide-ranging chemical compatibility, and PPS provides added structural stability.
- **Shaft-Friendly:** The balanced, self-lubricating design minimizes sleeve and shaft wear.

With its combination of strength, chemical resistance, heat management, and gentle shaft interaction, Style FAB-5001 is an outstanding all-purpose packing for demanding process environments.



### OPERATING PARAMETERS

Construction	Interlock Braid
Max Temperature	550 °F (287 °C)
Max Shaft Speed	3,000 fpm (24 m/s)
Max Pressure	300 psi (20 bar)
pH Rating	0–14

\*Max temperature / pressure / speed indicate operating extremes independently and do not imply the seal will function at these extremes at the same time. Contact Flexaseal if in doubt.

### PACKING YIELD PARAMETERS

Size (Inch)	1/8"	3/16"	1/4"	5/16"	3/8"	1/2"	5/8"	3/4"	7/8"	1"
Yield (ft/lb)	N/A	48.3	27.5	15.8	12.5	6.8	4.5	3.7	2.5	1.6