



## 2001 Braided Packing / Graphite Yarn, Graphite Filled

### CONSTRUCTION

**Style 2001** packing is a rugged premium grade, low friction, high strength, proprietary graphite fiber, twisted together and interlock braided. This style contains a special lubricant to provide a bearing film, and protect shafts from scoring. It also acts as a blocking agent to prevent wicking.

### APPLICATION / SERVICE

**Style 2001** packing is ideally suited for use in severe service valves and rotary shaft applications. It handles strong acids and alkali solutions except fuming nitric acid, oleum and fluorine. It can be used to seal steam, water, oil, solvents, alkalis, and acids. It is often used as end rings for packing sets utilizing softer packings that might tend to extrude. This style also handles high temperatures, extremely high shaft speeds (see Service Limits below), most strong chemicals, and reduces shaft wear.

SERVICE LIMITS		
Type	Description	Value
Temperature Limits:	Minimum	-400°F (-240°C)
	Maximum	840°F (450°C)
	Steam	1200°F (650°C)
Pressure Limits:	Rotating	435 psi (30 bar)
	Reciprocating	1450 psi (100 bar)
	Static	4350 psi (300 bar)
Shaft Speed:		4000 fpm (20 m/s)
pH:		0-14 (except strong oxidizers)

APPROXIMATE YIELDS			
Size	Feet/Pound	Size	Feet/Pound
1/8"	161	1/2"	10
3/16"	72	9/16"	8.1
1/4"	40.4	5/8"	6.5
5/16"	26	3/4"	4.5
3/8"	18	7/8"	3.4
7/16"	13	1"	2.6

Properties and application parameters shown throughout this datasheet are typical. Your specific application should not be undertaken without independent study and evaluation for suitability. For specific application recommendations consult TEADIT. Failure to select proper sealing products could result in property damage and/or serious personal injury. Specifications are subject to change without notice. This edition supersedes all previous issues.