



STYLE 2007

Braided Packing Expanded PTFE / Graphite

CONSTRUCTION

Style 2007 packing is an interlock braid, utilizing TEADIT's EG2 PTFE/graphite yarn and a high temperature break-in lubricant...EG2 yarn is formed from expanded PTFE in which fine particles of pure graphite have been encapsulated... The resulting packing combines the chemical resistance of PTFE with the heat dissipation characteristics of graphite, thus allowing much higher shaft speeds than conventional PTFE packings.

APPLICATION / SERVICE

Style 2007 is chemically inert over the entire 0-14 pH range with these exceptions: molten alkali metals, flourides, aleum, fuming nitric acid, aqua regia, and other strong oxidizing agents.

This style is an excellent general service and corrosive service packing. It is commonly used in pumps, valves, rotating and reciprocating shafts, mixers and agitators, and is especially designed for services involving surface speeds and temperatures higher than those that can be handled by pure PTFE packing.

SERVICE LIMITS

Type	Description	Value
Temperature	Minimum	-328°F (-200°C)
	Maximum	540°F (280°C)
Pressure	Rotating	500 psi (35 bar)
	Reciprocating	1450 psi (100 bar)
	Static	2900 psi (200 bar)
Shaft Speed		4900 fpm (25 m/s)
pH		0-14

APPROXIMATE YIELDS

Size	Feet/Pound	Size	Feet/Pound
1/8"	87.5	1/2"	5.9
3/16"	38.2	9/16"	4.5
1/4"	22.2	5/8"	3.7
5/16"	15.7	3/4"	2.5
3/8"	10.3	7/8"	2.0
7/16"	8.1	1"	1.6

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.