

Garlock soft packing description and service condition reference table

If a Garlock recommendation is desired, please include the following information with your request:

1. If possible, send a blueprint or sketch of stuffing box and surrounding equipment.
2. Submit information about condition of equipment. (Surface finishes, runout, etc.)
3. Normal operating hours; whether intermittent or continuous; rpm or cycles per minute, and length of stroke.
4. Medium that will come in contact with packing (be specific as possible . . . is pumpage clean or dirty . . . is it

abrasive . . . is it hydrochloric acid, propane gas, etc.).

5. Temperature of medium.
6. Pressure encountered at the bottom of the stuffing box.
7. Dimensions: (a) Rod or shaft diameter(s); (b) Bore of stuffing box(es); (c) Inside depth of stuffing box(es); (d) Bevels (if any).
8. Lantern ring location, when applicable.
9. Advise if pump has a cooling jacket.
10. State problem or reason for new recommendation request.

STYLE	ACID ALKALIES GASES OILS SOLVENTS												MOTION				CONSTRUCTION AND MATERIALS	COMMENTS		
	MILD	CORROSIVE	MILD	CORROSIVE	AIR & DRY INDUS.	BROMINE, CHLOR.	OXYGEN	PETROLEUM	SYNTHETICS	AROMATIC (BEN., ETC.)	ALIPHATIC (GAS., ETC.)	STEAM	WATER & SALT SOLU.	FLUIDS WHERE NON-CONTAM. REQUIRED	MAX. TEMP. °F	RECIPROCATING			ROTARY	HELICAL (VALVE STEM)
5501			o		o			o	o	o	o	o	o		1200*	o		o	Each ring has a plastallic core with a braided jacket of AAA asbestos reinforced with Inconel® wire. It provides high strength at high temperature, combined with excellent conformability for good sealing. The rings are individually die formed for accurate fit and easy installation.	*Line temperature. **International Nickel Company Trademark.
5555	o		o		o			o	o	o	o	o	o	o	500	o	o	o	Braided jacket. Square cross-section. A plastallic packing with powdered TFE white asbestos core and single braided asbestos yarn jacket. Impregnated with TFE suspensoid. No graphite.	
5780							o								500	o	o	o	African blue asbestos yarn with TFE impregnation. Specially treated for oxygen service.	
5862	o	o	o	o				o	o	o	o	o	o	o	500	o	o	o	Long-fiber asbestos yarn with TFE impregnation and a white lubricant for easier run-in.	
5876	o	o	o	o				o	o	o	o	o	o	o	500	o	o	o	Long-fiber asbestos yarn with sintered TFE powder (U.S. Patent 3124032), and a white lubricant for easier run-in.	
5882	o	o	o	o	o			o	o	o	o	o	o	o	500	o	o	o	African blue asbestos yarn with sintered TFE powder (U.S. Patent 3124032), and a white lubricant for easier run-in.	
5884	o	o	o	o	o			o	o	o	o	o	o	o	500	o	o	o	African blue asbestos yarn with TFE impregnation and white lubricant for easier run-in.	
5888	o	o	o	o	o			o	o	o	o	o	o	o	500	o		o	TFE fiber yarn with TFE impregnation—a very fine weave.	
5889	o	o	o	o	o			o	o	o	o	o	o	o	500	o		o	Specially treated and impregnated TFE fiber yarn for improved break-in and high speed service.	
5898	o	o	o	o	o			o	o	o	o	o	o	o	500	o		o	TFE fiber yarn with TFE impregnation—a very fine weave. Specially treated for oxygen service.	
7130					o													o	Laminated fabric plied up and furnished in rectangular cross section. These rings are of Garlock asbestos cloth, frictioned with high grade SBR rubber binder. Rubber top and bottom covers. Treated with beeswax lubricant. Surface graphite coated. (Also available without graphite.)	Particularly recommended for use on valves on chlorine containers. Approved by the Chlorine Institute.
9166	o	o	o	o	o	o		o	o	o	o	o	o	o	500	o	o	o	A plastic packing of TFE powder, graphite and synthetic hydrocarbon binder. Coils and rings have skeleton-braided covers of TFE yarn.	