

1.0 SCOPE

- 1.1 This specification describes 324 Super-Lon 100% poly-tetrafluoroethylene (PTFE) Packing.
- 1.2 It is applicable for use to seal general valves, control valves, reciprocating rods, and low speed centrifugal shafts against the strongest chemicals, steam, and solvents to 500°F (260°C).

2.0 CONTENT AND CONSTRUCTION

- 2.1 Content
 - 2.1.1 Yarn
 - 2.1.1.1 324 shall be made of single ply, multi-filament, continuous PTFE yarn.
 - 2.1.2 Lubricants
 - 2.1.2.1 The yarn shall be prelubricated with a tetrafluoroethylene (TFE) suspensoid lubricant.
- 2.2 Construction
 - 2.2.1 All cross sections of packing shall be square braided.

3.0 PHYSICAL, THERMAL, AND CHEMICAL CHARACTERISTICS

- 3.1 Physical Characteristics
 - 3.1.1 Pressure Rating in a Valve Service - 2500 PSI (170 BAR)
 - 3.1.2 Maximum Shaft Speed - 600 fpm (3.0 mps)
- 3.2 Thermal Characteristics
 - 3.2.1 Maximum Service Temperature - 500°F (260°C)
- 3.3 Chemical Characteristics
 - 3.3.1 Service pH Range - 0 to 14
 - 3.3.2 Chemical Incompatibility - molten alkali metals.

A.W. CHESTERTON CO.

225 FALLON ROAD, MIDDLESEX INDUSTRIAL PARK
STONEHAM, MASSACHUSETTS 02180-9101 USA
TELEX: 94-9417 • FAX: (617) 438-8971
TEL: (617) 438-7000
CABLE: Chesterton Stoneham, Mass.

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