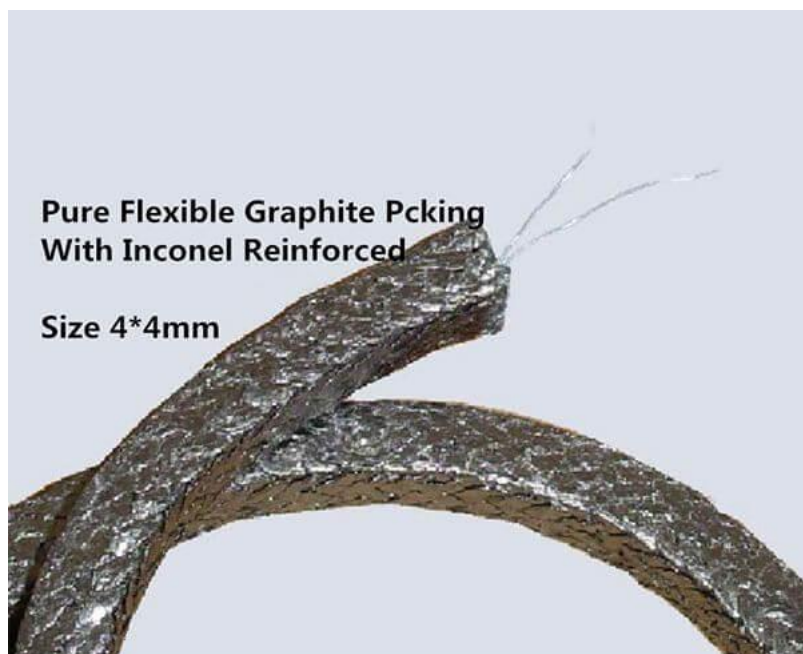


16.2 Graphite Packing Reinforced with Metal Wire



Graphite packing reinforced with wire is braided from expanded graphite yarns, reinforced with metal wire, normally reinforced with inconel wire. It retains all the inherent benefits of flexible graphite packing. The wire reinforcement provides greater mechanical strength, used for high pressure and temperatures. Corrosion inhibitor acts as a sacrificial anode to protect the valve stem and the stuffing box.

Typical Application

- >Flexible graphite packing is a multi-service packing capable of a wide variety of uses throughout a plant.
- >It can be used in valves, pumps, expansion joints, mixers and agitators in high-pressure and temperature.
- >Excellent for use in steam turbines, high temperature motor-actuated valves
- >High temperature and high pressure valve applications in general.

Prime Features

- >It can be reinforced with nickel, stainless steel, copper, etc.
- > Wide variety of uses throughout a plant
- > Precaution: in oxidizing environment may use with anti-extrusion packing rings.

Technical Data

| Material | 100% Expanded Graphite Yarn and Metal Wire |
|-------------------|--|
| Temperature Range | -200 up to +555 °C atmosphere; |



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| | | |
|-------------|---------------|---------------------------|
| | | -200 up to +650℃ in Steam |
| Process | Rotating | 5 Mpa |
| | Reciprocating | 15 Mpa |
| | Valves | 30 Mpa |
| Shaft Speed | | 23m/s in rotary |
| PH | | 0~14 |
| Density | | 1.5 g/cm3 |