

TECHNICAL DATA SHEET

Carbon Filament with Expanded Graphite Packing
INMARCO STYLE 501

Description:

STYLE 501 is a specially developed hybrid combination packing of non metallic expanded pure graphite yarn reinforced with high structural carbon filament at four corners. The packing is impregnated with proprietary **THERMOLUBE** graphite based dispersion and also **INORGANIC PASSIVE CORROSION INHIBITOR**. This passive corrosion inhibitor safeguards parent equipment from galvanic corrosion and also reduction of **LOSS ON IGNITION**.

STYLE 501 is a combination of softness of expanded pure graphite and toughness of carbon fiber yarn. The packing is highly chemical resistant and very good thermal conductor. This can be used both in dynamic and static application.

Operational Parameters:

PROPERTIES			
pH	0-14		
TEMPERATURE (°C)	-200 to +650 (2750°C in non oxidizing media)		
PRESSURE (BAR)	150	300	350
VELOCITY (m/s)	25	20	---
SIZE	6mm ² to 50mm ²		

Advantages:

- ❖ Excellent dry run capabilities and hence reduce continuous water flashing.
- ❖ Incorporation of corrosion inhibitor prevents corrosion and pitting on parent equipment.
- ❖ THERMOLUBE dispersion acts as a blocking agent.
- ❖ The packing adapts to worn out surface and pitting with smooth running.
- ❖ Dissipates heat without chemical hardening.

Typical Applications:

Pumps, Valves, Autoclaves, Converters, Mixers, Reactors, etc.

Service Media:

Hydrocarbon, Steam, FCC catalyst & bottom slurry, Hypo, Fuel oil, Lube oil, Thermic fluid, Hydrogent sulphide, Liquid Sulphur, Sulphur Dioxide, Sulphur trioxide, Acids & Alkalis, Boiler feed water, Gasoline, Abrasive media like slurry, Fly ash water, Sea water, etc.

All information and recommendations given in this technical data sheet are correct to the best of our knowledge. However, in view of the wide variety of application and operating conditions one cannot draw the final conclusion in all application cases regarding the behavior of compounds. The above information can only serve as a guideline.