



Nexus Pump and Valve Packing

DATA SHEET

Nexus Style 2101 Packing



Description

Style 2101 packing is a high temperature, high speed pump and valve packing. The high quality Carbon Graphite Yarn enables this product to run at high speeds, while the thermal conductivity assists in removing the heat that is so detrimental to shaft wear.

Construction

Style 2101 is a tightly braided packing using a high quality Carbon Graphite Filament Yarn that is not only very dense to prevent wicking and increase pressure limits, but is also able to withstand high speeds.

Application

This product is suited for both pump and valve applications. Carbon Graphite Filament yarn has a high tensile strength, making this product useful for many different applications. The most appropriate would, however, be high speed and high temperature. Very useful in applications where standard Expanded Graphite is prone to extrusion yet where the use of carbon/graphite is required such as Pulp and Paper and viscous applications. Boiler feed pumps, condensate pumps and hot water applications also call for this product along with any other difficult to seal application.

Size and Weight

| Style 2101 Packing | | | | | | | | | | |
|--------------------|------|------|------|-------|-----|-------|-----|-------|-----|-----|
| mm | 3 | 4 | 5 | 6 | 7 | 8 | 10 | 11 | 12 | 13 |
| inch | 1/8 | 5/32 | 3/16 | 1/4 | | 5/16 | 3/8 | 7/16 | 1/2 | |
| m/kg | 90 | 50 | 32 | 22 | 16 | 13 | 8 | 6.7 | 6 | 4.9 |
| mm | 14 | 15 | 16 | 18 | 19 | 20 | 22 | 24 | 25 | |
| inch | 9/16 | | 5/8 | 11/16 | 3/4 | 13/16 | 7/8 | 15/16 | 1 | |
| m/kg | 4.5 | 4 | 3.5 | 2.7 | 2.5 | 2.2 | 1.8 | 1.6 | 1.4 | |

Specification

| <u>Item</u> | <u>Unit</u> | <u>Magnitude</u> |
|-----------------------|-------------|--|
| Dimensional Deviation | mm | Axial 0.00 ~ +0.50 Radial 0.00 ~ -0.50 |
| Working Temperature | °C | -200 ~ +650 |
| Pressure | bar | 20 Rotary (Pumps) 300 Stationary (Valves) |
| Surface Speed | m/sec | 25 |
| pH | pH | 0 - 14 |
| Base Yarn | | Carbon Graphite Filament Yarn |
| Lubricant | | High Temp. Lubricants |