



Nexus Pump and Valve Packing

DATA SHEET



Nexus Style 2102 Packing

Description

Style 2102 packing is a premium grade high temperature, high-speed pump and valve packing that comes out of the same family of packings as Style 2101 and Style 2103. The high quality Carbon Graphite Yarn enables this product to run at high speeds, while the thermal conductivity of the base material assists in removing the heat that is so detrimental to shaft wear. The technology introduced to make this product such a top-class pump packing, happens to bring out a superior ability in valve sealing as well, especially in high temperature, high pressure steam valves.

Construction

Style 2102 is a densely braided packing using a high quality Carbon Graphite Filament Yarn that has been individually coated with a mixture of Graphite, Graphite Oil and an Oxygen Resistant Agent blocking agent with less than 10% PTFE. The finished product has a coating of the same Graphite emulsion to serve as start-up lubricant.

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 aggressive chemicals, high speeds, high pressures 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. Steam valves, boiler feed pumps, condensate pumps and hot water applications also call for this product along with any other difficult to seal application. 2102 is a more flexible version of valve stem packing, making it ideal for small and large valves. The ability to handle aggressive chemicals along with high tensile strength has been the reason why this product is used in such a wide variety of applications.

Size and Weight

Style 2102 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		Graphite and Blocking Lubricants