



Nexus Pump and Valve Packing



DATA SHEET

Nexus Style 2190 Packing

Description

Style 2190 packing is made by firstly braiding an Inconel Wire sleeve around each yarn of pure Expanded Graphite Yarn. This is then braided into square packing with a very high pressure capability. The benefit of Expanded Graphite packing is enhanced by the use of a Glass Fibre leader rather than Cotton, to ensure high temperature compatibility without volume loss. This product has the characteristic heat dissipation qualities, good sealing ability, high chemical resistance and high compressibility properties of Expanded Graphite as well as the added pressure capability due to the inclusion of Inconel wire around each strand of Graphite.

Construction

Style 2190 is a braided packing constructed of Expanded Graphite fibre tape that has been formed into a yarn, with a Glass Fibre yarn as leader material and then enclosed by an Inconel wire sleeve for reinforcement.

Application

This product is ideally suited for valve and other stationary equipment applications. It has proven itself in the Petrochemical, Pulp and Paper and Power Generation industries. Especially useful in steam and Hydrocarbon valves, with the added advantage of reduced emissions.

Size and Weight

Style 2190 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	23	17	13	8.3	7	5.8	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	1.9	1.7	1.5	

Specification

<u>Item</u>	<u>Unit</u>	<u>Magnitude</u>
Dimensional Deviation	mm	Axial 0.00 ~ +0.50 Radial 0.00 ~ -0.50
Carbon Content in Graphite	%	>98
Ash Content in Graphite	%	<1.5
Volumetric Density	g/cm ³	1.0 ~ 1.3
Compressibility	%	25 ~ 30
Resilient Rate	%	>15
Working Temperature	°C	-200 ~ +450 (Oxidising) -200 ~ +650 (Non-oxidising)
Pressure	bar	580 Stationary (Valves)
pH	pH	0 - 14
Ignition Loss	%	<10 (300°C @ 3 hours)
Total Sulphur Content	ppm	<1000
Total Chloride Content	ppm	<50
Total Metal Content	ppm	<500
Total Fluorine Content	ppm	<20