



Nexus Pump and Valve Packing

DATA SHEET



Nexus Style 2211 Packing

Description

Style 2211 packing is made of a tightly braided Expanded Graphite Core with an outer jacket of high purity Carbon yarn. The benefit of Expanded Graphite packing is enhanced by the use of a Carbon Fibre leader, to ensure high temperature compatibility without volume loss. This product has the characteristic heat dissipation qualities, as well as the low friction, high chemical resistance and high compressibility properties of Expanded Graphite as well as the added pressure capability due to the high purity Carbon yarn jacket.

Construction

Style 2211 has a braid over core construction. It is constructed of a tightly braided Expanded Graphite Core with an outer jacket of high purity Carbon yarn. The Expanded Graphite fibre tape has been formed into a yarn, with a Carbon Fibre yarn as leader material.

Application

This premium product is ideally suited for all types of equipment where a high pressure, high temperature and high surface speed capability is required. This product is a wire free solution that is especially useful in steam and Hydrocarbon valves, with the added advantage of reduced emissions. The absence of wire further allows it to be used in high speed applications without the fear of shaft damage.

Size and Weight

Style 2211 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	56	39	23	18	15	9	7.5	6	5.4
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	4.6	4	3.6	2.8	2.5	2.2	1.9	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 ~ +600	
Pressure	bar	15	Rotary (Pumps)
		300	Stationary (Valves)
Surface Speed	m/sec	25	
pH	pH	0 - 14	
Base Yarn	Expanded Graphite and Carbon Yarn		
Lubrication		Graphite	
Carbon Content in Graphite	%	>98	
Ash Content in Graphite	%	<1.5	
Volumetric Density	g/cm ³	1.0 ~ 1.3	
Compressibility	%	25 ~ 45	