Nexus Pump and Valve Packing

DATA SHEET

Nexus Style 220S Packing

Description

Style 220S packing is a densely braided PAN carbon fibre product with graphite lubricants and a Silicon Rubber Core. The benefit of this product is that it has the ability to run at high speeds, while maintaining a good thermal conductivity to assist in removing the heat that is so detrimental to shaft wear. The addition of the Silicon Core allows the product to increase its memory capability when used in large equipment with shaft run outs.

Construction

Style 220S is a tightly braided packing constructed of low modulus carbonised yarn with a Silicon Rubber Core which has been inter-braided into a dense, but very flexible product with a memory capability. The high temperature graphitic lubricant is ideal for both start-up as well as blocking lubrication.

Application

This product is suited for both pump and valve applications. Carbonised yarn has a high tensile strength, making this product useful for many different applications and especially suited for applications with shaft run out. 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.

Size and Weight

Style 220S 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

Item	Unit	Magnitude	
Dimensional Deviation	mm	Axial	0.00 ~ +0.50
		Radial	0.00 ~ -0.50
Working Temperature	°C	-50 ~ +250	
Pressure	bar	20	Rotary (Pumps)
		150	Stationary (Valves)
Surface Speed	m/sec	15	
pH	pH	1 - 13	
Base Yarn		PAN Carbon Fibre and Silicon Rubber	
Lubricant		High Temp. Graphitic Lubricants	