

Nexus Pump and Valve Packing



DATA SHEET



Nexus Style 2120 Packing

Description

Style 2120 packing is a combination of Expanded Graphite and Carbonised Yarn. The benefit of Expanded Graphite packing is enhanced by the tensile strength of Carbonised Yarn corners. This combination retains the heat dissipation qualities of Expanded Graphite, as well as the low friction, good sealing ability, high chemical resistance and high compressibility properties of Expanded Graphite. The inclusion of Carbonised Yarn in the corners adds tensile strength to the product allowing an increased pressure capability and extrusion resistance.

Construction

Style 2120 is a braided packing constructed of Expanded Graphite fibre tape that has been formed into a yarn, with Carbonised Yarn in the corners and body of the packing.

Application

This product is ideally suited for both pump and valve applications. It has proven itself as a single spool solution to the Petrochemical, Pulp and Paper and Power Generation industries. 2120 is especially useful in difficult to seal environments such as hydrocarbons, pulp, white and green liquor, steam and slurry.

Size and Weight

Style 2120 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 ~ 45
Resilient Rate	%	>15
Working Temperature	°C	-100 ~ +450
Pressure	bar	25 Rotary (Pumps)
		275 Stationary (Valves)
pH	pH	2 - 12
Base Material		Expanded Graphite Tape
Reinforcement		Carbonised Yarn
Lubricant		None