



Non-Asbestos Pump and Valve Packing

DATA SHEET

Style 2121 Packing

Description

Style 2121 packing is a combination of Expanded Graphite and Carbon Yarn. The benefit of Expanded Graphite packing is enhanced by the tensile strength of Carbon 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 Carbon Yarn in the corners adds tensile strength to the product allowing an increased pressure capability and extrusion resistance.

Construction

Style 2121 is a braided packing constructed of Expanded Graphite fibre tape that has been formed into a yarn, with Carbon 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. 2121 is especially useful in difficult to seal environments such as hydrocarbons, pulp, white and green liquor, steam and slurry.

Size and Weight

Style 2121 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	-250 ~ +650
Pressure	bar	25 Rotary (Pumps) 300 Stationary (Valves)
pH	pH	0 - 14
Base Material		Expanded Graphite Tape
Reinforcement		Carbon Yarn
Lubricant		None