



Nexus Pump and Valve Packing

DATA SHEET



Nexus Style 3170 Packing

Description

Style 3170 packing is an economical graphite packing that is made of a tightly braided yarn of high purity Expanded Graphite. This product has the characteristic heat dissipation qualities, as well as the low friction, good sealing ability, high chemical resistance and high compressibility properties of Expanded Graphite.

Construction

Style 3170 is an Interbraid construction of Expanded Graphite fibre tape that has been formed into a yarn and then braided to form a dense, but resilient square packing.

Application

This product is ideally suited for both pump and valve applications. As a general purpose packing, Style 3170 has the ability to take the place of cheap products and offer an improved life expectancy. It has proven itself in the Petrochemical, Pulp and Paper and Power Generation industries. Especially useful in dryers, blowers, pulpers, digesters, agitators, mixers, high temperature steam valves and hydrocarbon valves, with the added advantage of reduced emissions as well.

Size and Weight

Style 3170 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	%	>95
Ash Content in Graphite	%	<3
Volumetric Density	g/cm ³	1.0 ~ 1.3
Compressibility	%	25 ~ 45
Resilient Rate	%	>15
Working Temperature	°C	-200 ~ +450 (Oxidising) -200 ~ +650 (Non-oxidising)
Pressure	bar	15 Rotary (Pumps) 80 Stationary (Valves)
Shaft Speed	m/sec	20
Friction Factor		<0.18