

# Gasket Man cc

## Data Specifications Sheet

### Pure Graphite Packing

Pure graphite packing is made of a tightly braided yarn of high purity expanded graphite.

#### General Properties

Expanded graphite is enhanced with glass fibre reinforcement.

High temperature compatibility.

Excellent heat dissipation.

Low friction, good sealing ability, high chemical resistance and high compressibility properties.

#### Application

Suitable for both pump and valve applications.

Petrochemical, pulp and paper applications.

Generation power industries.

Dryers, blowers, pulpers, digesters, agitators, mixers, high temperature steam valves and hydrocarbons

#### Construction

Graphite acrylic pump packing is a braided packing constructed of non-asbestos yarn that has been braided with a special graphite lubricant mixture. The lubricant permeates the packing completely ensuring lubrication through the life of the product.

#### Specifications

ITEM	UNIT	MAGNITUDE
Dimensional Deviation	mm	Axial 0.00 ~ +0.50 Radial 0.00 ~ -0.50
Working Temperature	°C	-240 ~ +450 (Oxidising) -240 ~ +650 (Non-oxidising)
Pressure	bar	20 Rotary (Pumps) 250 Stationary (Valves- 9 rings)
Shaft Speed	m/sec	20
pH	pH	0- 14
Carbon Content in Graphite	%	>98
Ash Content in Graphite	%	<1.5
Volumetric Density	g/cm <sup>3</sup>	1.0 ~ 1.3
Compressibility	%	25 ~ 45
Resilient Rate	%	>15
Ignition Loss	%	<10 (300°C @ 3Hours)
Friction Factor		<0.18
Total Sulphur Content	ppm	<1000
Total Chloride Content	ppm	<50
Total Metal Content	ppm	<500
Total Fluorine Content	ppm	<20

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