



AEROLITE GS1004

Packing & Gaskets

Pure Graphite Sheet

DS003-01

Material Profile :

- Made of natural pure expanded graphite offers reliable service in high temperature applications, excellent performance and sealing capabilities for longer equipment and less maintenance.

Typical application :

Aerolite Gs1004is suitable for use in general gasket applications and can be used for sealing water, oil, hydrocarbons, most chemicals and etc.

- Maximum recommended temperature : 500°C (Oxidizing media)
- Maximum recommended temperature : 700°C (Inert media)

Property	Standard	Unit	Data 1	Data 2	Data 3
Thickness		mm	0.5	1.0	1.5
Tolerance of thickness		mm	±0.03	±0.04	±0.06
Density		g/cm ³	1.0	1.0	1.0
Tolerance of density		%	±6	±4	±4
Compressibility	ASTM F36/A	%	35-55	35-55	35-55
Recovery	ASTM F36/A	%	≥9	≥9	≥9
Tensile Strength	ASTM F152	Mpa	≥4.0	≥4.0	≥3.5
Leakage rate	DIN 3535	Mg/m.s	≤0.08	≤0.10	≤0.10
Compression factors	DIN 28091				
KSW		%	35-55	35-55	35-55
KRW		%	3-5	3-5	3-5
WSW		%	<4	<4	<4
WRW		%	3-4	3-4	3-4
Resistant strength		Mpa	>48	>48	>48
Sulfur content	ASTM C 816	ppm	≈1300	≈1300	≈1300
Chloride content	ASTM F1277	ppm	≤50	≤50	≤50
Fluoride content		ppm	≤30	≤30	≤30
Carbon content	JB/T 9141.6	%	99.0	99.0	99.0
Ash Content	ASTM C561	%	≤1.0	≤1.0	≤1.0

Data reported corresponds to laboratory and field tests typical results. Technical guidance are pleased to assistant when requested.

Supply data :

- Size in mm: 500 x 1000, 1000 x 1000, 1500 x 1500 or in rolls (expect ≥1.5mnt)
- Density, 0.7-1.1 g/cm³
- Thickness, 0.2-2.0mm (laminated or non-laminated). Relative with width.

Special specification upon requirement

NOTE:

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