

AEROLITE GS3004

Packing & Gaskets

Graphite Laminate Sheet Reinforced With Tanged 316 Stainless Steel

DS003-02

Material Profile :

- Made of expanded graphite reinforced with perforated stainless steel SUS316 (0.10mm thick). Used as gasket material.

Typical application :

AEROLITE GS3004 is a universal material recommended for applications requiring greater blowout resistance. It is suitable for sealing against steam, water, gases, oils, hydrocarbon etc.

- Maximum recommended temperature : 500°C (Oxidizing media)
- Maximum recommended temperature : 700°C (Inert media)
- Maximum recommended Pressure : 102 Bar (1480 psi)

Property	Standard	Unit	Value		
Thickness		mm	1.5	2.0	3.0
Density (graphite)		g/cm ³	1.0	1.0	1.0
Compressibility	ASTM F36/A	%	25-40	30-45	35-50
Recovery	ASTM F36/A	%	15-30	10-25	10-20
Leakage rate	DIN 3535	ml/min	≤1.0	≤1.0	≤1.0
Fluid resistant :	ASTM F146				
• ASTM3# oil 150°c, 5h					
Weight increase		%	<15	<15	<15
Thickness increase		%	≤6	≤6	≤6
• LLC50% 100°c, 22h					
Weight increase		%	<15	<15	<15
Thickness increase		%	≤6	≤6	≤6
Sulfur content	ASTM C 816	ppm	≈1300	≈1300	≈1300
Leachable Chloride content	ASTM F1277	ppm	≤50	≤50	≤50
Carbon content	JB/T 9141.6	%	≥98.5	≥98.5	≥98.5
Fluoride content		ppm	≤30	≤30	≤30

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 (Overlapped Joint and/or Laser Welding Flat Joint)
- Thickness: 0.5 - 7.0mm
- Special size and thickness upon request.
- Reinforcing steel, SUS316L (DIN1.4404) and SUS304 (DIN 1.4301) are all in stocks.

NOTE:

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