

Sealmax Style – 920 – Pure Graphite

Applications:



- Sealmax Style – 920 sheets are made from high purity flexible expanded graphite without fibres, binders or other additives
- Graphite sheets are particularly suited for applications with extremely high and low temperatures with highly corrosive and aggressive media. Gaskets are used in petrochemical, mining vessels, boilers, piping and duct, pumps and valves, flanges etc.
- Expanded Graphite sheets are universally applicable for gases and fluids. It offers excellent sealing capabilities such as thermal stability, self-lubrication, corrosion resistance without being brittle and ageing etc.

Properties:



- **Chemical Compatibility:** Resistant to a wide range of chemicals including acids, alkalis, oils, steam, hydrocarbons and solvents (Except strong oxidizers).
- **High Thermal Conductivity:** Enables efficient heat transfer in thermal management and sealing systems.
- **Enhanced Dimensional Stability:** Maintains structural integrity under temperature cycling and pressure fluctuations.
- **Low Creep and Relaxation:** Retains sealing and conductive performance over extended service life

TECHNICAL SPECIFICATIONS

SR.NO.	PROPERTIES	UNIT	SPECIFIED VALUES
1.	Density	g/cm ³	1.0
2.	Carbon	%	>98.00
3.	Ash	%	<2.0
4.	Sulphur	Ppm	<200
5.	Chlorine	Ppm	<40
6.	Fluorine	Ppm	<20
7.	Total Halogens (Cl+F+Br)	Ppm	<200
8.	Tensile Strength	Mpa	>4.5
9.	Compressibility	%	>40
10.	Recoverability	%	>10

GENERAL SPECIFICATIONS

SR.NO.	PARAMETERS	SPECIFICATIONS	REMARKS
1.	Material	Pure Graphite	No insert
2.	Colour	Dark Grey	-
3.	Operating Temperature	-195°C to +450°C (-319°F to +842°F)	In water steam - 650°C/1202°F
4.	Pressure range	30 Bar	Depends on the installation situation
5.	Shelf Life	Unlimited under proper storage	Non-ageing material
6.	Available thickness	0.5mm, 0.8, 1.0, 1.5, 2.0 and 3.0mm	-
7.	Available forms	Sheets, gaskets	Customized gaskets on request

All technical data and recommendations are given based on our experience. However, we assume no liability whatsoever. All data and values must be verified by the user, as the effectiveness of a seal can only be accurately judged by evaluating all data parameters directly on site. The stated parameters of all packing styles are approximate and may be influenced if occurring together. We suggest you to contact us in case of any special applications.



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