TECHNICAL DATA SHEET

Queensland Gaskets

SUPRANITE® V01

SUPRANITE® V01 is made of chemically and thermally exfoliated vermiculite, that gives SUPRANITE® V01 high-temperature properties comparable to those of compressed asbestos gaskets. It is reinforced by a ultra-thin stainless steel core.



ADVANTAGES

- SUPRANITE® V01, made of chemically and thermally exfoliated vermiculite, provides a very good seal up to 800°C continuous.
- SUPRANITE® V01 is not subject to the oxidation problems suffered by graphite at elevated temperature.
- The exfoliated structure of SUPRANITE® V01 maintain its good seal at high temperatures, unlike conventional mica based gaskets, which contain a large fraction of elastomer binder.
- SUPRANITE® V01 has a very broad chemical compatibility spectrum.

APPLICATIONS

SUPRANITE® V01 is compatible with most chemicals and oxidizers, in particular at high temperature, such as nitric acid, nitrous gases, molten salts, sulphuric acid, etc.

SUPRANITE® V01 can be used in applications where graphite could be subject to oxidation.

TECHNICAL INFORMATION

Max. temperature in inert atmosphere (*)	1000°C
Max. temperature in oxidizing medium (*)	800°C
Pressure (**)	50 Bar

(*) : Temperatures and pressure not combined (consult with us).
(**) : Consult with us for high pressures.

CONCERNED INDUSTRIES

Choose from these non-standard material variation options:

> Petrochemicals / Refining
> Fertilizers
> Energy
> Shipbuilding
> Chemicals
> Metallurgy
> Paper making

PACKAGING

1,0 m x 1,0 m SHEETS*** NUMBER OF SHEETS per package				
Thickness (mm)	1	1,5	2	3
Number of sheets	2	2	2	2

Larger gaskets can be made in sectors joined with the specific SUPRANITE V01® paste.

(***) : 1,5 m x 1,5 m SHEETS on request.

Contact us to discuss requirements and place your order 07 3277 3922

All information and data quoted has been provided by our suppliers and is based upon years of experience in the production and operation of sealing elements. This data may not be used to support any warranty claims. With its publication this latest edition supersedes all previous issues and is subject to change without further notice.