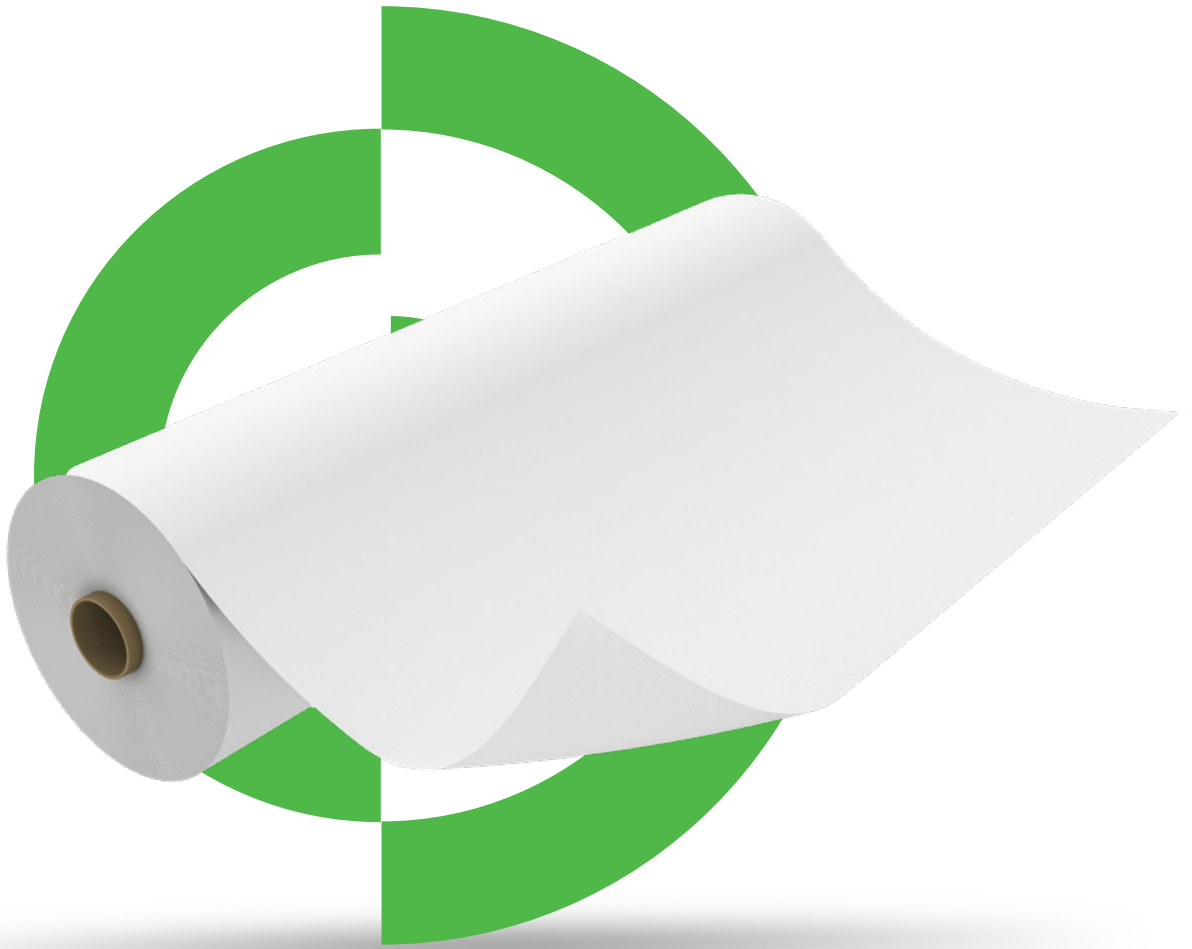


Cryogenic Insulation Paper

Speed, savings and vacuum
integrity you can't ignore.



**Zero Organic
content**



**BAM
approved**

The paper is a non-outgassing, inorganic non-woven material manufactured from super fine glass fibre.

With a surface that does not absorb gas molecules easily, it minimises vacuuming times. Furthermore, its enhanced lattice structure ensures that the thermal conductivity coefficient and specific heat flux of the interlay are extremely low when working in cryogenic environments.

Specification

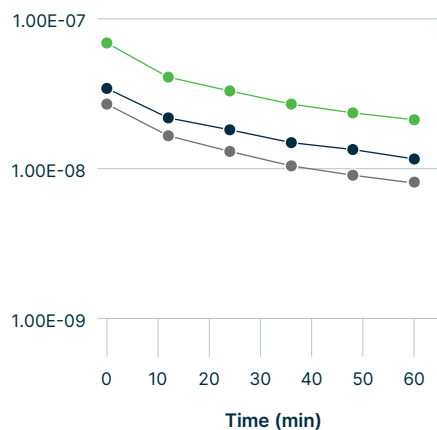
Items	Insulation Material
Thickness	0.06±0.01mm
Weight	13.5±1 g/m ²
Tensile Strength	≥0.03 KN/m
Moisture Content	≤0.5%
Organic Content	≤0.5%
Thermal Conductivity (w/m·k)	≤0.037 w/m·k
Cryogenic Out-gassing (Static State 1h)	<1.0×10 ⁻⁸ Pa·m ³ /s·g
Temperature Range	-269°C – 500°C

Fibre glass outgassing

The 2 graphs show the outgassing at ambient and higher temperatures. The raw materials used together with the manufacturing processes ensure these standards are met.

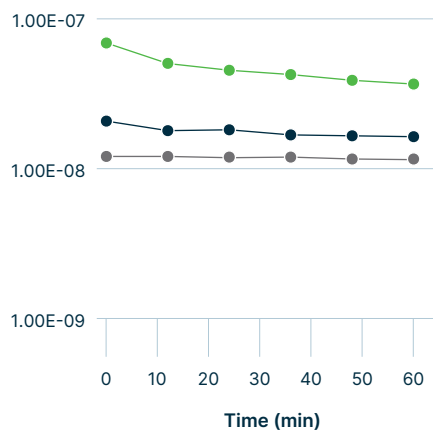
Fibre glass outgassing (temperature 23°C)

Pa·m³ / s·g



Fibre glass outgassing (temperature 120°C)

Pa·m³ / s·g



Key benefits

The paper is thin and light. Its highly uniform structure ensures low thermal conductivity:

- Ex-Stock in Europe and beyond minimising your bulk purchases.
- Zero organic content with no outgassing.
- Enhanced lattice structure ensures fast pump-down time.
- Proven stability minimises waste and increases productivity.
- Suitable for all your equipment including oxygen vessels.
- Enhances installation efficiency and improves your bottom line.

Applications

Cryogenic Vessels, Cryogenic Tanks, Microbulks, Dewars, Cryogenic Railcars, ISO Tanks, Vacuum Jacketed Pipe, etc.

Technical information

Standard roll sizes:

40mm to 1800mm to your specification (minimum quantities may be required)

Standard Widths:

90mm, 910mm, 1310mm, 1710mm, 1800mm

Temperature Range:

-452°F to 932°F (-269°C to 500°C)

Technical reports

The following technical reports are available to give additional detail to support your selection:

- **Test report 20142252:**
Oxygen Compatibility Test

- **Installation Guide**

Available on request

To place your order or to find out more, contact us on: