

Data Sheet

ISOTAPE

Characteristics

ISOTAPE is a flexible tape made of microporous material with a very low thermal conductivity, which means that it has very high insulation properties.

It is based mainly in pyrogenic silica, opacifiers to reduce radiation and fibres as reinforcers.

ISOTAPE can be easily be wrapped around a diameter of 50mm and bigger.



Geometry

Standard width

- 50mm, 75mm, 100mm, 150mm, 200mm and 300mm

Available thickness

- 5mm and 7mm.

Roll length

- 5m.

Core Composition

- SiO₂ (NON CRYSTALLINE) aprox 50-90%
- SiC aprox 8-49%
- Others aprox 1-6%

Safety instructions

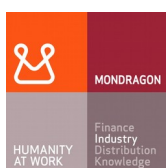
The materials used are not dangerous for humans or environment following the European directive UE2006/1907/EEC. The fibres used in the core have a diameter >3µm.

Lifespan

If properly stored, the lifespan of the panel has no expiring date. It is recommended to store the panel in a dry environment.

Product data

Maximum working temperature	°C	1050
Density	kg/m ³	250-300
Non combustibility test		Classification A1
Compressive strength at 10% (ASTM C 165)	MPa	>0,32
Thermal conductivity (ISO 8302, ASTM C177)		
a 200°C	W/m.K	0,022
a 400°C	W/m.K	0,024
a 600°C	W/m.K	0,031
a 800°C	W/m.K	0,040
Shrinkage (ISO2477) one side 12h @1000°C	%	<0,5



UNE-EN ISO 9001

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