

## Data Sheet

# ISONUD LLT

### Characteristics

ISONUD LLT is an insulating material based on a microporous core 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.

### Application

- Vacuum insulation core.

### Geometry

#### Standard dimensions

- 275mm x 350mm x e
- 550mm x 350mm x e
- 550mm x 700mm x e
- 1100mm x 700mm x e

#### Standard thickness

- 7mm, 10mm, 15mm, 20mm, 25mm, 30mm, 35mm, 40mm, 45mm, 50mm.

#### Tolerances

	Width (mm)	Length (mm)
STD (1100x700)	Max 715	Max 1120
Customized size	±3	±3
	Thickness (mm)	Tolerances
STD	7-10	±0,5
	10,1-30	±0,8
	30,1-50	±1,5

### Product data

Color		grey
Maximum working temperature	°C	1050
Density	kg/m <sup>3</sup>	175-320
Non combustibility test		Classification A1
Thermal conductivity (ISO 8302, ASTM C177)	a 10°C W/m.K	<0.022



### Safety instructions

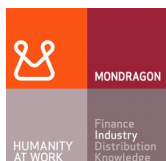
The materials used are not dangerous for humans or environment following the European directive UE2006/1907/EEC. The fibres used in the core have a diameter >3µm.

### Core Composition

- SiO<sub>2</sub> (NON CRYSTALLINE)      aprox 50-90%
- SiC      aprox 8-49%
- Others      aprox 1-6%

### Lifespan

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



UNE-EN ISO 9001

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