

# Pipe insulation



thoenes

Article description:	ISOGL	Insulation E glass	thoe
	ISOHT	Insulation E glass with HT Fini	sh
Article forms:	Round		
Preparations:	Without a	any additionally preparations	
Materials:	E glass fibres, E glass fibres with HT Finish, silica fibres		
	Glass fib	re needle mat or silicon oxide ma	t core

## **Mechanical properties:**

- Good insulating properties due to low heat storage
- High flexibility and compressibility
- Good adaptation to complex geometries
- Excellent electrical insulation properties

### **Thermal properties:**

- Not flammable

## E glass fibres

- Max. continuous temperature 550 °C
- Short-term 650 °C possible

#### Glass fibre needle mat

- Max. continuous temperature 750 °C
- Short-term 800 °C possible

## E glass fibres with HT Finish

- Max. continuous temperature 750 °C
- Short-term 800 °C possible

## Silica fibres/ Non-woven silicon oxide mat

- Max. continuous temperature 1000 °C
- Short-term 1100 1200 °C possible

## **Chemical properties:**

- Resistant against Oils, fats, solvents, organic acids
- Not resistant against hydrofluoric acid (HF) and phosphoric acid (H<sub>3</sub>PO<sub>4</sub>)

#### **Applications:**

For sealing and insulating applications, e.g. as pipe insulation in heating technology, machine, plant and apparatus engineering.

Application limits:	Depending on the used material. Health harmlessness.
Dimensions:	Ø up to 200 mm Length up to 1500 mm (tolerance +/- 10 %)

The above information is based on our current knowledge of the product indicated and is given to the best of our knowledge and belief. A warranty claim cannot be derived from this information. All previous editions hereby lose their validity.

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