

PRODUCT INFORMATION

# GLASS NEEDLE FELT INSULATION

## BENEFITS

The glass needle felt is made from 100% fiberglass and is heat resistant to temperatures up to 600 °C.

Glass needle felt is made from long fibers which are needled together to form a very stable mat and are therefore made without any binder.

### Thermal conductivity

- 50 °C / 0,037 W/m<sup>2</sup>K
- 100 °C / 0,042 W/m<sup>2</sup>K
- 200 °C / 0,054 W/m<sup>2</sup>K
- 300 °C / 0,064 W/m<sup>2</sup>K
- 350 °C / 0,076 W/m<sup>2</sup>K
- 400 °C / 0,084 W/m<sup>2</sup>K
- 450 °C / 0,093 W/m<sup>2</sup>K
- 500 °C / 0,102 W/m<sup>2</sup>K
- 550 °C / 0,112 W/m<sup>2</sup>K

## MATERIAL

- E-glass fiber

## SPECIFICATION

<b>Dimensions</b>	6 mm, 10 mm, 12,5 mm, 25 mm and 7 mm reinforced with synthetic thread
<b>Length</b>	10-50 m – depending on thickness
<b>Width</b>	1000 mm
<b>Temperature</b>	600°C

<b>Weight</b>	800-4,000 g/m <sup>2</sup> - depending on thickness
<b>Color</b>	White
<b>Application</b>	Insulation
<b>Flammability</b>	Inflammable – according to DIN 4102