

Material data sheet

# iTEX Waterstop 600

E-Glass fibre shell with hydrophobic properties until 600°C

## Application

Fibre insulating material conceptualized for thermal insulation and acoustic absorption with hydrophobic properties. System for areas of application in the automotive as well as for the turbo machinery industry.

## Technical Properties

|  |               |
|--|---------------|
| Raw material                                     | E-Glass       |
| Application temperature                          | 600 °C        |
| Filament diameter                                | 9 to 13 µm    |
| Linear shrinkage (600°C, 1h)                     | ≤ 1 %         |
| Loss on ignition (600°C, 1h)                     | ≤ 2 %         |
| Fire behaviour                                   | non-flammable |
| Water absorption (in relation to the own weight) | < 6 %         |
| Temperature resistance of the hydrophobization   | 500 °C        |

## Chemical Composition

|     | SiO <sub>2</sub> | Al <sub>2</sub> O <sub>3</sub> | CaO + MgO | B <sub>2</sub> O <sub>3</sub> | Na <sub>2</sub> O+K <sub>2</sub> O | Further Ingredients |
|-----|------------------|--------------------------------|-----------|-------------------------------|------------------------------------|---------------------|
| [%] | 54 +/- 2         | 14,0 +/- 2                     | 23 +/- 7  | 7,5 +/- 2,5                   | < 2                                | < 2,5               |

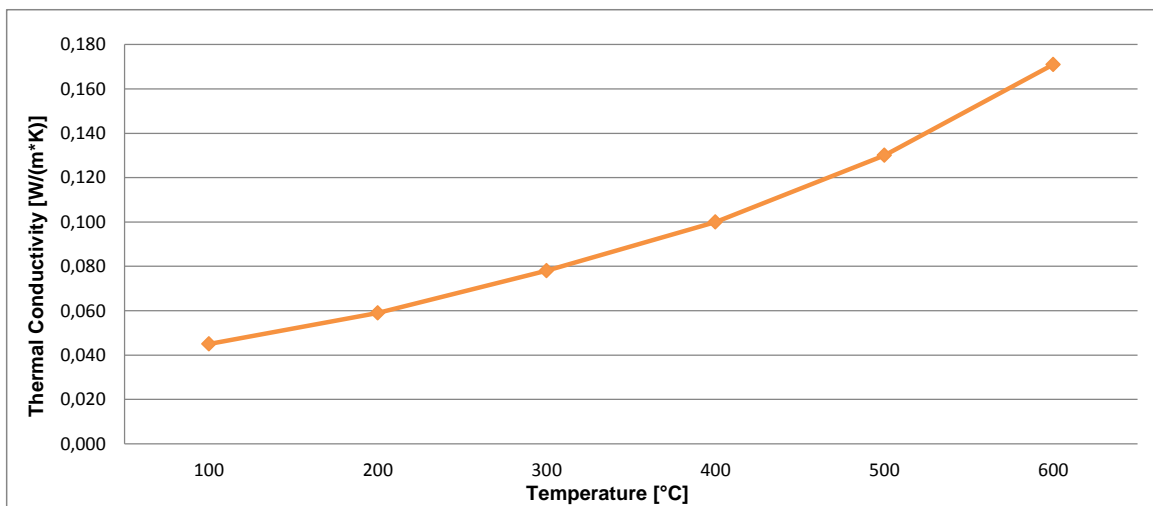
## Thermal Conductivity λ

|  | 100   | 200   | 300   | 400   | 500   | 600   | [°C]    |
|--|-------|-------|-------|-------|-------|-------|---------|
|  | 0,045 | 0,059 | 0,078 | 0,100 | 0,130 | 0,171 | [W/m*K] |

## Forms of Supply

Glass fibre shell from 2,5 mm according to your request.

## Thermal Conductivity



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This information is based on our present state of knowledge and experience and are made to the best of our knowledge and belief. In this case these informations are not to be understood as a guarantee or a promise of properties.