

## Material data sheet

# ITEX REF- ISO 600

E-Glass fibre shell until 600°C

### Application

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

### Technical Properties

Raw material	E-Glass fibre
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
TSR-Value (Total-Solar-Reflection)	75 %
pigment fraction	≤ 2,5 %

### 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	Rest
54 +/- 2	14,0 +/- 2	23 +/- 7	7,5 +/- 2,5	< 2	< 2,5

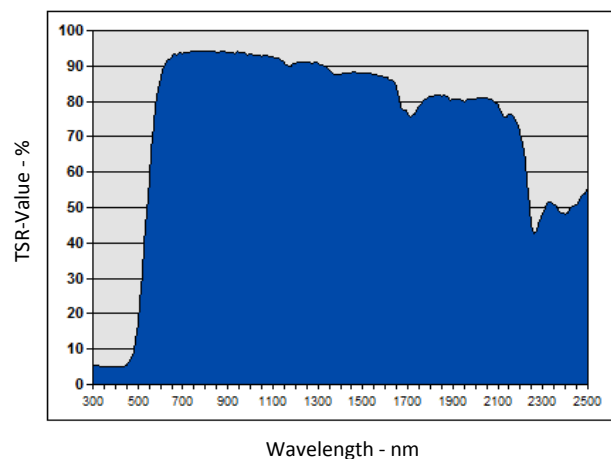
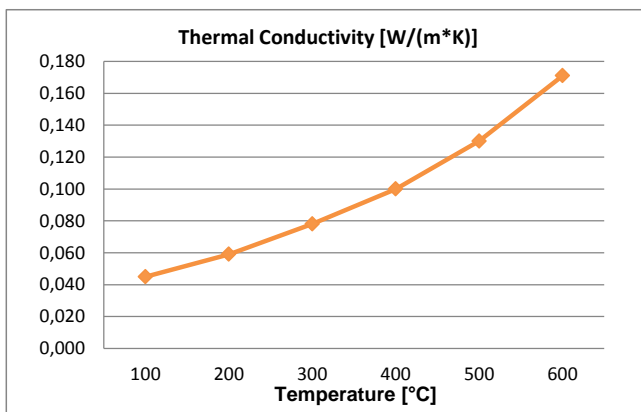
### Thermal Conductivity λ

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

E-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.