

Material data sheet

ITEX REF- ISO 1000

Silica fibre shell until 1000°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	Silica fibre
Application temperature	1000 °C
Filament diameter	> 5 µm
Linear shrinkage (1000°C, 1h)	≤ 1 %
Loss on ignition (1000°C, 1h)	≤ 1 %
Fire behaviour	non-flammable
TSR-Value (Total-Solar-Reflection)	75 %
pigment fraction	≤ 2,5 %

Chemical Composition

SiO ₂	Al ₂ O ₃	Further Ingredients
95 +/- 2	3,5 +/- 1	< 2,5

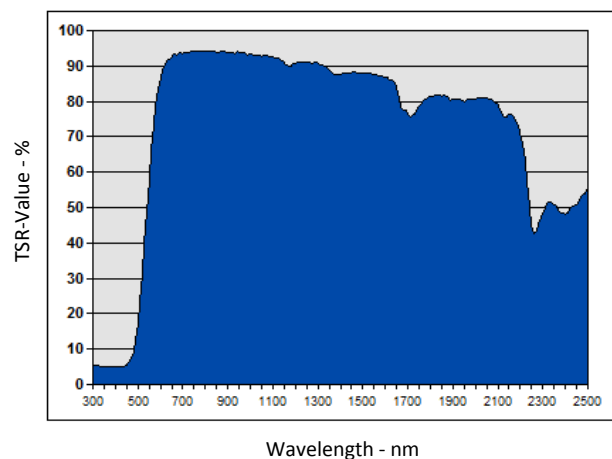
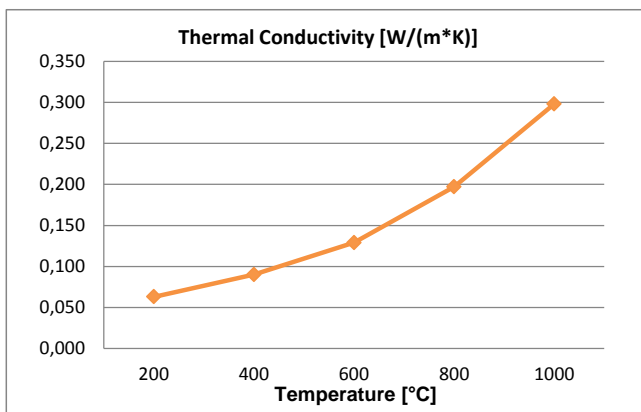
Thermal Conductivity λ

200	400	600	800	1000	[°C]
0,063	0,090	0,129	0,197	0,298	[W/m*K]

Forms of Supply

Silica 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.