

Introduction

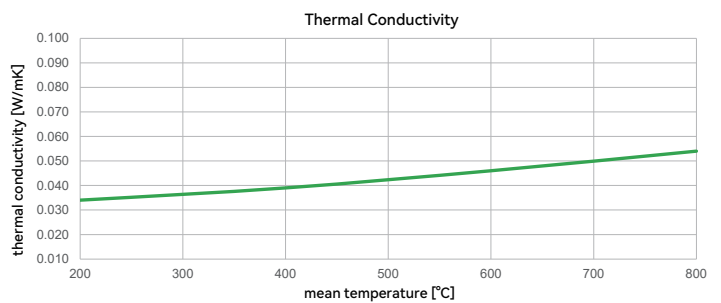
TT 1000 granulate is an inorganic, flowable, and pourable microporous material with excellent thermal properties. It features very low thermal conductivity and maintains a very low density even after compaction. It is suitable for filling complex shapes or geometries with limited space structures and where shaped and rigid insulation cannot be applied.



Technical Data

Thermal Conductivity

20 °C / 68 °F	0.030 W/m K
200 °C / 392 °F	0.034 W/m K
400 °C / 752 °F	0.039 W/m K
600 °C / 1112 °F	0.046 W/m K
800 °C / 1472 °F	0.054 W/m K



Other Technical Parameters

classification temperature	1000 °C / 1832 °F
bulk density	180 kg/m ³
tap density	210 kg/m ³
density tolerance	± 30 kg/m ³

Package

standard package	250 kg/pallet, other package can be customized
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Benefits

Very low thermal conductivity provides reduction of energy consumption;

Low in weight allows a compact and light system structure;

Cost efficient insulations for complex geometries;

Inorganic and non-combustible;

Environmental friendly.

Typical Applications

Unicorn granulate can be used in any application requiring a pourable insulation where space is limited and shape is complex:

Industrial chimney walls;

Fuel cells;

Complex kiln cars;

High temperature boxes and any other complex cavities.

Technical Limitation

Water and other liquids will irreversibly destroy the microporous structure and as a result the insulation performance of the material.



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