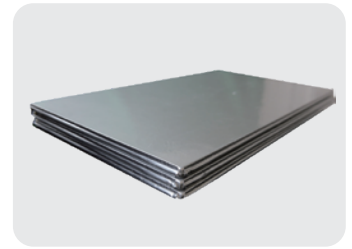


Introduction

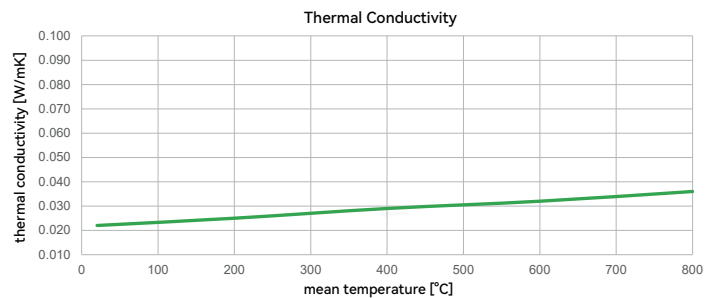
TT 1050 flex is a flexible microporous board designed for use in the steel industry and other molten metal applications. It offers high-temperature stability, low thermal conductivity, and excellent mechanical and compressive strength.



Technical Data

Thermal Conductivity

20 °C / 68 °F	0.022 W/m K
200 °C / 392 °F	0.025 W/m K
400 °C / 752 °F	0.029 W/m K
600 °C / 1112 °F	0.032 W/m K
800 °C / 1472 °F	0.036 W/m K



Other Technical Parameters

classification temperature	1050 °C / 1922 °F
continuous application temperature	1000 °C / 1832 °F
shrinkage: at 1050 °C / 1922 °F one side 12 h ¹	< 0.5 %
shrinkage: at 1000 °C / 1832 °F all sides 12 h	< 2.0 %
nominal density	310 kg/m ³
microporous core colour	grey

Available Sizes

dimensions	1000 x 600 mm, 500 x 400 mm, more sizes on request
thickness	3-15 mm
tolerances	length and width: ± 2 mm; thickness (T): ± 1 mm

1. measured at 25 mm thickness insulated towards room temperature. The shrinkage value refers to the surface on the hot side. This value represents common usage conditions of an insulation material.

Gooved and Flexing

This option allows a dust-free handling and provides a certain protection against water. It allows an easy and convenient application due to self-bending under a light vacuum. This product can offer different bending options and along with good thermal insulation properties, it can typically be used for medium and big diameter pipes or pipes in pipe systems. It can be offered as one piece or more sections, depending on customer application requirement.



Technical Limitation

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

Declaration of Non-hazardousness

According to the regulation of the European union 2006/1907/EC this material is classified as non-hazardous. The used fibers are not respirable as defined by WHO.



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