

Technical Data Sheet

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BRA-GLA® KA

...Hightech-Insulation material

Product Specification

The High-tech Quality BRA-GLA® KA is a dimensionally stable insulation material with a low density.

Special Material Characteristics

- **very high continuous usage temperature**
- **excellent insulation effect**
- **fixed structure**
- **low specific weight**

Range of Application

The High-tech Quality BRA-GLA® KA is preferred to use for the exterior insulation of moulds, tools and machines with a surface temperature up to 450°C. Due to the specific structure BRA-GLA® KA do not show delamination or brittleness.

Mounting Instruction

By using BRA-GLA® KA higher abrasion loads or contact with liquids should be avoided. For the protection of BRA-GLA® KA a protection sheet out of metal or out of a pressure resistant insulation material for example S 4000® is recommended

Technical data*:

Max. service temperature		
• long-term	450	°C
• short-term	500	°C
Compressive strength**		
• at room temperature	7	N/mm ²
• at 200 °C	4	N/mm ²
at 40 % deformation		
Coefficient of thermal conductivity		
• at 50 °C	0.050	W/mK
• at 100 °C	0.075	W/mK
• at 135 °C	0.077	W/mK
• at 300 °C	0.090	W/mK
• at 450 °C	0.120	W/mK
Linear expansion coefficient		
X- and Y-direction	7·10 ⁻⁶	1/K
Z-direction	90·10 ⁻⁶	
Moisture absorption / 24 h	4	%
Density	0.5	g/cm ³

*) Further technical details and machining recommendations upon request

***) Compressive stress at break. The possible specific compressive strength depends on the particular application.



Specifications are subject to alteration due to technical development. The standard values given in this data sheet are not part of any contract.

Delivery Information:

Standard thickness: 5 - 20 mm