

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 (EN ISO 604)		
• 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
(DIN 52 612)		
Linear expansion coefficient		
X- and Y-direction	7·10 ⁻⁶	1/K
Z-direction	90·10 ⁻⁶	
(DIN 53 752)		
Moisture absorption / 24 h		
(DIN 53 495)	4	%
Density	0.5	g/cm ³

*) Further technical details and machining recommendations upon request



Delivery Information:

Standard thickness: 5 - 20 mm

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