

Technical Data Sheet

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replaces Edition 06/15

BRA-GLA[®] MP

... Hightech – Insulation material

Product Specification

The High-tech Quality BRA-GLA[®] MP is a high-performance thermoplastic material equipped with special insulating components.

Air chambers on one side are supporting the insulation effect additionally .

Special Material Characteristics

- **very high continuous usage temperature**
- **excellent insulation effect**
- **exceptional resistance against solvents and cleaning agents**
- **very high resistance to impacts and deformations**

Range of Application

The High-tech Quality BRA-GLA[®] MP is preferred to use as exterior insulation of moulds, tools and machines with a surface temperature up to 270°C. BRA-GLA[®] MP shows a high resistance against impact loads and it is also resistant against solvents, oil and steam. This chemical durability allows even a ultrasonic cleaning of tools without removing the BRA-GLA[®] MP.

Technical Data*:

Max. usage temperature		
• continuous	300	°C
• short-term	310	°C
Compressive strength (EN ISO 604)		
• at room temperature	9	N/mm ²
• at 200 °C	5	N/mm ²
at 4% deformation		
Coefficient of thermal conductivity		
• at 200 °C	0.09	W/mK
• at 200 °C	0.11	W/mK
(DIN 52 612)		
Linear expansion coefficient		
X- and Y-direction	100·10 ⁻⁶	1/K
Z-direction	100·10 ⁻⁶	
(DIN 53 752)		
Moisture absorption / 24 h		
(DIN 53 495)	< 0.1	%
Density	1.2	g/cm ³

*) Further technical details and machining recommendations upon request



Montage

In most cases it is recommended to place and screw the board directly onto the machine or tool surface (the structured side installed to the hot surface); the thermal expansion has to be considered.

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: 6, 8, 10 mm