

Technical Data Sheet

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BRA-GLA[®] MP

... Hightech – Insulation material

Product Specification:

BRA-GLA[®] MP is based on a high-performance thermoplastic raw 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 to solvents, cleaning agents, oil and steam
- very high resistance to impact loads and deformations

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 300°C. This chemical durability allows even an ultrasonic cleaning without removing the BRA-GLA[®] MP.

Technical Data*:

Max. usage temperature		
• continuous	300	°C
• short-term	310	°C
Compressive strength**		
• at room temperature	9	N/mm ²
• at 200 °C	5	N/mm ²
at 4% deformation		
Coefficient of thermal conductivity		
• at room temperature	0.09	W/mK
• at 200 °C	0.11	W/mK
Linear expansion coefficient		
X- and Y-direction	100·10 ⁻⁶	1/K
Z-direction	100·10 ⁻⁶	
Moisture absorption / 24 h	< 0.1	%
Density	1.2	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.



Installation:

In most cases it is recommended to fix BRA-GLA[®] MP directly on the machine or tool surface (with structured side 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