

Technical Data Sheet

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BRA-GLA® 3

...Hightech-Insulation material
for extreme loads

Product Specification

The grade BRA-GLA® 3 is a thermosetting plastic, reinforced with glass fibres. The unique composition grants outstanding insulation capability combined with a high mechanical and thermal strength.

Special Material Characteristics

- **high temperature resistance**
- **high compressive strength**
- **reliable dimensional and form stability**

Range of Application

BRA-GLA® 3 is used as thermal insulating board or as machine part for heated presses and tools in the plastics-, rubber- and wood processing industry. BRA-GLA® 3 shows a higher usage temperature and a higher dimensional stability than BRA-GLA® N.

Typical applications:

- Piston- and frame insulation in heated presses
- Pressure resistant insulation plate in heated tools and moulds

Technical data*:

Max. service temperature		
• long-term	230	°C
• short-term	250	°C
Compressive strength**		
• at ambient temperature	650	N/mm ²
• at 200 °C	350	N/mm ²
Coefficient of thermal conductivity		
• at ambient temperature	0.30	W/mK
• at 200 °C	0.35	W/mK
Linear coefficient		
X- and Y-direction	11·10 ⁻⁶	1/K
Z-direction	80·10 ⁻⁶	
Flexural strength		
• at ambient temperature	425	N/mm ²
• at 200 °C	140	N/mm ²
Density	1.9	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.



Delivery Information:

Standard thickness: 5 - 45 mm

Premium-Finish is possible:

// 0.02 mm by nominal thickness tolerance of +/- 0.02 mm (depending on thickness)

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