

## Technical Data Sheet

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# BRA-GLA<sup>®</sup> N

...Hightech-Insulation material  
for extreme loads

### Product Specification

The grade BRA-GLA<sup>®</sup> N 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<sup>®</sup> N is used as thermal insulating board or as machine part for heated presses and tools in which a high compressive strength is needed. For example plastics-, rubber- and wood processing industry .

#### 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	210	°C
• short-term	230	°C
Compressive strength**		
• at ambient temperature	600	N/mm <sup>2</sup>
• at 200 °C	290	N/mm <sup>2</sup>
Coefficient of thermal conductivity		
• at ambient temperature	0.30	W/mK
• at 200 °C	0.35	W/mK
Linear coefficient X- and Y-direction Z-direction	10·10 <sup>-6</sup> 80·10 <sup>-6</sup>	1/K
Flexural strength		
• at ambient temperature	550	N/mm <sup>2</sup>
• at 200 °C	180	N/mm <sup>2</sup>
Density	1.9	g/cm <sup>3</sup>

\*) 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 - 50 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.