Technical Data Sheet

GL® *P*

07/16
replaces edition 04/14

...Hightech - Insulation material for extreme loads

Product Specification

The grade GL® *P* is based on inorganic materials and a high temperature polymer.
GL® *P* is not flammable and in comparison to GL® *M* it could be exposed to a higher continuous usage temperature.

Special Material Characteristics

- **very high continuous usage temperature**
- **very high compressive strength**
- **excellent insulation effect**

Range of Application

The grade GL® *P* offers a higher usage temperature than other glass fibre reinforced thermosetting materials. Compared to fibre cement materials GL® *P* can be used for applications with higher mechanical loads.

The parts made of GL® *P* must be firmly clamped and the whole surface must be loaded.

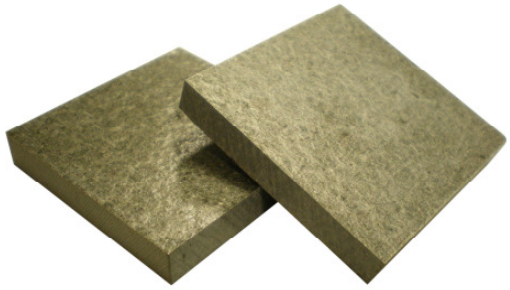
Typical Applications:
- in thermal high stressed presses and punch units
- in the glass making industry
- in welding plants
- for extrusion dies

Please note that the nominal thickness of this material may show dimensional deviations up to 7%.

Technical Data*:

Max. service temperature • long-term • short-term	 500 800	 °C °C
Compressive strength (EN ISO 604) • at ambient temperature • at 200 °C	 330 240	 N/mm² N/mm²
Coefficient of thermal conductivity • at ambient temperature • at 200 °C (DIN 52 612)	 0.31 0.37	 W/mK W/mK
Linear coefficient (DIN 53 752) X– and Y-direction Z-direction	$10 \cdot 10^{-6}$ $83 \cdot 10^{-6}$	1/K
Flexural strength (EN 63) • at ambient temperature • at 200 °C	 120 100	 N/mm² N/mm²
Density	2.1	g/cm³

*) Further technical details and machining recommendations upon request



Delivery information:
Standard thickness: 2 - 80 mm

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

Brandenburger Isoliertechnik GmbH & Co. KG · Taubensuhlstraße 6 · D-76829 Landau
Tel. +49 63 41/51 04-0 · Fax +49 63 41/51 04-155
E-Mail info@brandenburger.de