Technical Data Sheet

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XGD® *16*

… Hightech – Insulation material

Product Specification

XGD® *16* is a glass fibre reinforced thermosetting plastic with filler content.

Special Material Characteristics

- **high continuous usage temperature**
- **excellent mechanical strength**
- **good insulation effect**

Range of Applications

XGD® *16* is preferred to use in applications in the tool– and mould making industry where a good insulation effect and a high mechanical strength is required.

Technical Data*:

Max. service temperature • long-term • short-term	 180 200	 °C °C
Compressive strength** • at ambient temperature • at 200 °C	 340 130	 N/mm² N/mm²
Coefficient of thermal conductivity • at ambient temperature • at 200 °C	 0.18 0.23	 W/mK W/mK
Linear coefficient X– and Y-direction Z-direction	 $20 \cdot 10^{-6}$ $150 \cdot 10^{-6}$	 1/K
Flexural strength • at ambient temperature • at 200 °C	 115 55	 N/mm² N/mm²
Density	1.70	g/cm³

*) 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: 6 –20 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.

Brandenburger Isoliertechnik GmbH & Co. KG · Taubensuhlstraße 6 · D-76829 Landau
Tel. +49 6341/5104-0 · Fax +49 6341/5104-155
E-Mail info@brandenburger.de