

Technical Data Sheet

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XGD[®] 25

... Hightech-Insulation Material

Product Specification

XGD[®] 25 is glass fibre reinforced thermosetting plastic.

Special Material Characteristics

- **higher insulation effect as standard-insulation materials**
- **high temperature resistance**
- **good mechanical strength**

Range of Applications

XGD[®] 25 is mostly used in applications of the mould- and tool-making industry, where a excellent insulation effect is needed.

Technical Data*:

Max. service temperature		
• long-term	200	°C
• short-term	230	°C
Compressive strength**		
• at ambient temperature	350	N/mm ²
Coefficient of thermal conductivity		
• at ambient temperature	0.12	W/mK
Linear coefficient		
X- and Y-direction	28·10 ⁻⁶	1/K
Z-direction	200·10 ⁻⁶	
Flexural strength		
• at ambient temperature	190	N/mm ²
Density	1.35	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.



livery information:

Standard thicknes: 6 - 30 mm
Premium-Finish is possible up to a nominal thickness of 10 mm:
// 0.02 mm by nominal thickness tolerance of +/- 0.02 mm
(depending on the thickness)

You may recognize a certain amount of air bubbles in the product which may occur as small cavities after the grinding process. These bubbles are typical for this product and don't constitute a reduction in quality.

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