

Technical Data Sheet

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XGD[®] 60

... Hightech-Insulation material

Product Specification

XGD[®] 60 is a glass fibre reinforced thermosetting plastic.

Special Material Characteristics

- **very high compression strength and excellent insulation effect**
- **high continuous usage temperature**
- **reliable dimensional and form stability**

Range of Application

XGD[®] 60 is mostly used in applications of the tool and mould making industry where a high compression strength and dimensional stability is needed.

Technical Data*:

Max. service temperature		
• long-term	210	°C
• short-term	250	°C
Compressive strength**		
• at ambient temperature	610	N/mm ²
• at 200 °C	300	N/mm ²
Coefficient of thermal conductivity		
• at ambient temperature	0.30	W/mK
• at 200 °C	0.32	W/mK
Linear coefficient		
X- and Y-direction	12·10 ⁻⁶	1/K
Z-direction	80·10 ⁻⁶	
Flexural strength		
• at ambient temperature	500	N/mm ²
• at 200 °C	150	N/mm ²
Density	1.95	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: 4 - 30 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.