PLANICHEM
SICHEM SOLUTIONS

XGD16



XGD® 16 a glass fibers 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.

Property	Value	Unit
Max. Service Temperature	180	°C (long-term)
	200	°C (short-term)
Compressive Strength	340	N/mm² (at ambient temperature)
	130	N/mm² (at 200°C)
Coefficient of Thermal Conductivity	0.18	W/mK (at ambient temperature)
	0.23	W/mK (at 200°C)
Linear Coefficient	20×10^{-6}	1/K (X– and Y-direction)
	150×10^{-6}	1/K (Z-direction)
Flexural Strength	115	N/mm² (at ambient temperature)
	55	N/mm² (at 200°C)
Density	1.70	g/cm³

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Planichem s.r.l.
Via Consolare 41/43 25030 Zocco di Erbusco (BS) - ITALY
Tel: +39 030 7386033 - www.planichem.com - info@planichem.com