



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/mm <sup>2</sup> (at ambient temperature)
	130	N/mm <sup>2</sup> (at 200°C)
Coefficient of Thermal Conductivity	0.18	W/mK (at ambient temperature)
	0.23	W/mK (at 200°C)
Linear Coefficient	$20 \times 10^{-6}$	1/K (X- and Y-direction)
	$150 \times 10^{-6}$	1/K (Z-direction)
Flexural Strength	115	N/mm <sup>2</sup> (at ambient temperature)
	55	N/mm <sup>2</sup> (at 200°C)
Density	1.70	g/cm <sup>3</sup>

