

## Glass-Fibre Reinforced Plastic

Standard heat transfer coefficient:	k = 1,2 W/m <sup>2</sup> K Sandwichdesign 20 mm k = 5 W/m <sup>2</sup> K single-shell design
Specific Gravity:	1,46 g/cm <sup>3</sup> according to DIN 53479
Flexural strength:	220 N/mm <sup>2</sup> according to DIN 53452
Impact strength:	140 KJ/m <sup>2</sup> according to DIN 53453
Notched impact strength:	135 KJ/m <sup>2</sup> according to DIN 53453
Compressive strength:	200 N/mm <sup>2</sup> according to DIN 53454
Dielectric strength (base resin):	55 kV/mm according to DIN 53481
Tracking resistance (base resin):	KC 600 according to DIN 53480
Temperature resistance (long-term resistance):	-60°C bis +130°C (Higher temperature on request)

Flammability:	Glow wire test at 700°C fulfilled according to VDE 0471, Part 2/4.75; use of B1 materials according to DIN 4102, part 1, on request; other regulations please enquire.
Dimensional stability in the heat according to Martens:	200°C according to DIN 53458
Behaviour in the tropical laboratory:	According to CEI 68-2-3 resistance against mould and termite damage.
UV resistance:	Xenotest 1000 hours with classification "passed"
Surface resistance (optional):	Standard version 1012 Ohm; In the explosion range, the surface resistance can be permanently reduced in accordance with EN 60079-0 < 109 Ohm; in the explosion range, the surface resistance can be permanently reduced.
Decontaminability:	Classification: "Very good decontamination".
Waste recycling:	Disposal as household waste category I, waste code no. 57102
Protection classes according to DIN EN 60529	
IP 54 For two- or multi-leaf enclosures	Dust protected: Ingress of dust is not completely prevented, but must not penetrate in such quantity as to impair satisfactory operation of the unit or safety. Splash-proof: Water splashed against the enclosure from any direction shall have no harmful effects.
IP 65 For single-leaf enclosures and protective boxes	Dustproof: No ingress of dust Jet-proof: Water directed as a jet against the enclosure from any direction shall have no harmful effects

