

# Sustavacu® 6 GF – thermoforming polyamide

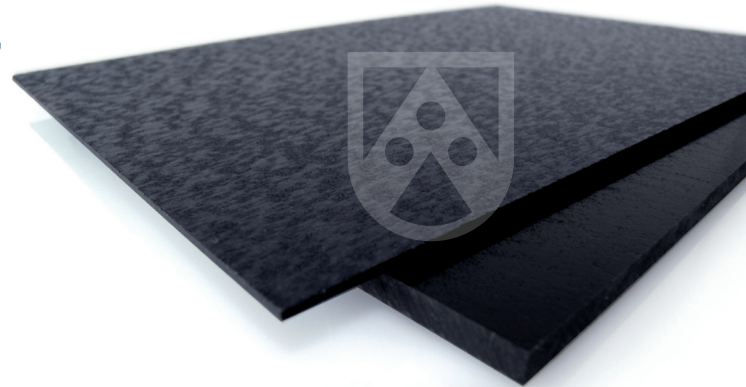
Thermoforming sheets made of impact-resistant, glass-fibre reinforced polyamide 6 (PA 6)

### Properties

- Excellent thermoforming, creep resistance and dimensional stability
- Very good machinability
- Good adhesion properties
- Increased impact strength compared to standard glass-fibre reinforced PA 6 types
- Very good UV resistance

Compared to other thermoforming materials such as polycarbonate (PC), acrylonitrile butadiene styrene (ABS) and polyolefin, Sustavacu® 6 GF provides:

- Higher continuous operating temperature (140° C)
- Higher mechanical strength and stiffness owing to glass fibre reinforcement
- Higher thermal stability
- Significantly higher chemical resistance to greases, oils and fuels



### Reduce the thickness of your components with Sustavacu® 6 GF

Its high rigidity makes for a significant **reduction in material thickness** compared to other materials. Substituting it for metal is also an option, resulting in enormous **reductions in weight**.

### Product range

Length	Width	Thickness	Colour
2,000 mm	1,000 mm	2 – 6 mm	black

Other dimensions on request.



### Vehicle construction

Because of its good resistance to greases, oils and fuel, vehicle manufacturers use sound insulation components and ventilation parts made of Sustavacu® 6 GF in the engine compartment, for instance. Other applications include mudguards, side panels or frame protectors.



Air duct in the engine compartment



### Shipbuilding

Marine engine manufacturers use Sustavacu® 6 GF as covers for ships' engines because of its high dimensional stability and high continuous service temperature.

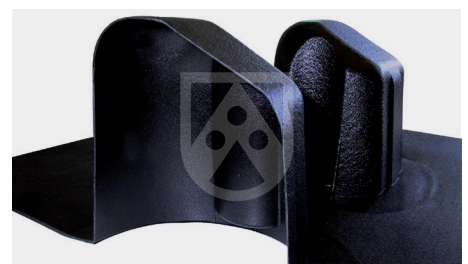


Cover for ships' engines



### Mechanical engineering

In mechanical engineering, Sustavacu® 6 GF is used, for instance, as sumps, hoods, cladding and covers because of its properties.



Thin-walled cover

Other areas of application of Sustavacu® 6 GF include electronics and healthcare, for instance.

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