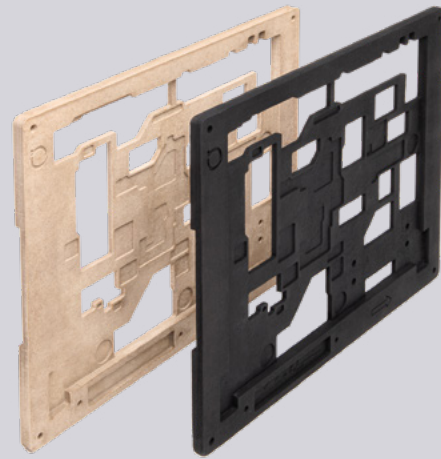


Glass Fibre/ Nylon 12 thermoplastic composite

Composite-Based Additive
Manufacturing (CBAM)



Excellent surface resolution and feature detail.

Why choose Glass Fibre/Nylon 12?

- True glass fibre composite
- Lightweight
- High tensile strength
- Outstanding mechanical strength properties
- High strength-to-weight ratio
- Superior wear and abrasion resistance
- Chemical resistance
- Good surface resolution and feature detail
- Fine surface finish
- Excellent flatness
- Exceptional part tolerances

Applications:

- Aerospace
- Drones
- Tooling
- Automotive
- Structural parts
- Weight reduction
- Metal replacement
- Propellers and spinning geometries
- Enclosure cases, electrical connectors and instrument panels
- Unmanned air vehicle structures and components
- Assembly and fabrication industrial tooling
- Clips, brackets and protective covers
- Spare and custom parts
- Parts requiring machining or joining adhesives

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Composite-Based Additive Manufacturing (CBAM)



Properties		Value (XY Axis)	Test method
General	Density	1.10 g/cm ³	ASTM D792
	Colour	Beige	Visual
Thermal	Melting temperature	186°C	ASTM D3418
Mechanical	Tensile strength (ultimate)	110MPa	ASTM D638
	Tensile modulus	6.3 GPa	ASTM D638
	Elongation at break	2.1%	ASTM D638

Specifications are subject to change without notice

The technical data indicated above is an average value of the test result of a part created under proper management and appropriate conditions. The value is for reference and is not guaranteed.

Get an online quote at rapidfab.ricoh-europe.com
Have a question? Call our friendly team on +44 (0) 800 304 7196