



FGFT® Polypropylene 10% Glass Fiber Antifouling

Item no.: PP-10GFAT-NA01-X-XX

Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	1,21 g/cc
MFI 230 °C/2,16 kg	ISO 1133	4,2 gr/ 10 min
Tensile modulus (E)	ISO 527	1635 Mpa
Tensile strength at yield	ISO 527	19 Mpa
Tensile strength at break	ISO 527	4,4 Mpa
Elongation at break		
Impact strength – charpy method 23 °C	ISO 179	8,9 kJ/m2
Vicat	ISO 306	°C
Mold shrinkage		

FGFT® Polypropylene with 10% Glass Fiber is specially formulated for advanced 3D printing in maritime and harsh environmental applications. This PP is reinforced with 10% glass fiber for enhanced mechanical performance and long-term stability. Integrated with a marine-grade antifouling agent, it actively resists biofouling from algae, barnacles, and other marine growth – making it an ideal choice for submerged or coastal-use parts.

Material features:

- Reinforced Strength
- Antifouling Protection
- Water & Chemical Resistance
- Lightweight & Durable
- Optimized for 3D Printing

Printing recommendations

Pre-drying	Hot air 70°C / 2 hrs - dry air 70°C / 1 hr
Zone 1 temperature	170 – 210 °C
Zone 2 temperature	180 – 220 °C
Zone 3 temperature	200 – 230 °C
Zone 4 temperature	200 – 230 °C
Mass temperature	200 – 230 °C
Die temperature	200 – 230 °C
Max. moisture content	0,1 %

Applications:

- Underwater drone components
- Coastal infrastructure parts
- Industrial outdoor enclosures and ducts

Additional information:

- Store cool and dry (15-25 °C)
- Available in cylindricals and UWG
- For FGF applications

All raw materials used in the production of products are in conformity with the REACH regulation (EC) no. 1907/2006.

Disclaimer: All above-mentioned data have been carefully checked according specific testing procedures and/or based on of raw material data and experience with compatible formulations. The data are provided for informational purposes only.

Therefore, no guarantee or warranty can be expected from these data. They are part of the quality and delivery specifications. The applicability of the product should be tested under local processing conditions at the converter.