



# FGFT® ASA 10% Carbon Fiber

Item no.: ASA-10CF-NA01-X-XX

## Technical information

Description	Method	Typical value
Specific gravity	ISO 1183	1,15 g/cc
MFI 210 °C/ 2,16 kg	ISO 1133	8,2 gr/ 10 min
Tensile modulus (E)	ISO 527	2875 Mpa
Tensile strength at yield	ISO 527	76 Mpa
Tensile strength at break	ISO 527	74 Mpa
Elongation at break		5,86%
Impact strength – charpy method 23 °C	ISO 179	4,3 kJ/m2
Vicat B 50N	ISO 306	96 °C
Mold shrinkage		

FGFT® ASA 10% Carbon Fiber is a specialized material designed for strength, rigidity, and outdoor performance. Combining the advanced weather resistance of ASA with the enhanced mechanical properties of carbon fiber, this compound is perfect for industrial and functional applications.

### Material features:

- Enhanced strength and stiffness
- Dimensional stability
- UV and weather resistance
- Lightweight and strong
- Sleek matte finish

## Printing recommendations

Pre-drying	Hot air 70°C / 6 hrs - dry air 70°C / 3 hrs
Zone 1 temperature	180-220°C
Zone 2 temperature	180-230°C
Zone 3 temperature	215-240°C
Zone 4 temperature	215-240°C
Mass temperature	215-240°C
Die temperature	215-240°C
Max. moisture content	0,04%

### Applications:

- Outdoor fixtures and housings
- Automotive parts and exterior components
- Functional prototypes and tools
- Lightweight structural parts

### 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.