PA11 CF (Carbon Fiber)

Ultrasint PA11 CF is a bio-derived powder material for advanced Powder Bed Fusion applications. This material is one of the strongest materials in the 3D printing industry, combining high ductility and impact performance as well as really high rigidity. The characteristics of Ultrasint PA11 CF are as follows:

- High tensile and flexural strength
- Thermal resistance
- High impact resistance
- High stiffness
- High elongation at break
- Chemical resistance

IDENTIFICATION	
Product Name	PA11 CF Polyamide Powder
Material Name	Ultrasint PA11 (Carbon Fiber)
Application	- Individual motorsport parts - Lightweight structures - Aerodynamic components - Metal replacement parts - Partly electrically conductive parts
For use with	■ MfgPro230 xS ■ MfgPro236 xS
SPECIFICATIONS	
Color	Black
Density	1.07 g/cm3
Packing Density	0.54 g/cm3
MECHANICAL PROPERTIES	
Tensile Strength (Mpa)	71
Tensile Modulus (Mpa)	4550
Elongation	11%
Flexural Strength (Mpa)	N/A
Flexural Modulus (Mpa)	5000
Impact (KJ/m2)	8.5
THERMAL PROPERTIES	
Melt Temperature	202
Operating Temperature	N/A
Refresh Parameters	
Refreshing	New 1 : Old 2
Scaling	
X:	-
Y:	-
Z:	-