

PCx CF

Nobufile PCx CF is a sustainable 10% carbon fiber reinforced modified polymer-blend based on PC (Polycarbonate) made from recycled industrial waste sourced in Europe. We took great care to create a constant high-quality material for you to enjoy. Due to its modification, PCx CF is easy to print while maintaining very good mechanical properties and high temperature stability. This material is suitable for printing technical parts using FDM technology.

Material properties

Properties	FDM H	Injection		Method
Tensile strength	56	68	MPa	ISO 527
Elongation at break	9	11	%	ISO 527
Flexural strength		95	MPa	ISO 178
Flexural modulus		3500	MPa	ISO 178
Izod Impact strength notched	5	4,5	kJ/m ²	ISO 180
Izod Impact strength unnotched	30	70	kJ/m ²	ISO 180
HDT A		113	°C	ISO 75
Density		1,23	g/cm ³	ISO 1183

Print settings

Print temperature	285°C ± 10
Bed temp	110°C ± 10
Printing Surface	textured PEI sheet
Fan Speed	max. 60%
Nozzle	hardened

Storage and drying

Store between 18 to 25 °C in a dry area away from sunlight. Keep sealed in an airtight container away from humidity. Pre-dry material for 4-6 hours at 80°C (max.), 6-8 hours at 70°C or 10-12 hours at 60°C.

Carbon footprint

This product is made from recycled plastic – approx. 60% of CO₂ equivalents can be saved compared to raw materials from primary production.

Disclaimer

Although accurate, the data provided is not binding and do not constitute a formal warranty. It is supplied as a guide for costumers regarding the correct use of product.