nobufil

Technical Datasheet

version 25.02

PLAx CF

Nobufil PLAx CF is a sustainable 10% carbon fiber reinforced modified PLA 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 impact modification PLAx CF offers increased tear and break resistance similar to ABS while maintaining the typical printing properties known from PLA. This material is suitable for printing technical parts using FDM technology.

Material properties

Properties	FDM H	Injection		Method
Tensile strength	45	52	MPa	ISO 527
Elongation at break	7	8	%	ISO 527
Flexural strength		92	MPa	ISO 178
Flexural modulus		4200	MPa	ISO 178
Izod Impact strength notched	4	4,5	kJ/m^2	ISO 180
Izod Impact strength unnotched	17	28	kJ/m^2	ISO 180
HDT A		54	°C	ISO 75
Density		1,19	g/cm^3	ISO 1183

Print settings

Print temperature	225°C ± 10
Bed temp	65°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 3-6 hours at 50°C (max.).

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.

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