

PCTG

Nobufile PCTG is a sustainable PCTG made from recycled industrial waste sourced in Europe. We took great care to create a consistent high-quality material for you to enjoy. PCTG combines high chemical resistance with excellent layer adhesion and high impact strength. This material is suitable to print technical parts using FDM technology.

Material properties

Properties	FDM H	Injection		Method
Tensile strength	50	48	MPa	ISO 527
Elongation at break	14	74	%	ISO 527
Flexural strength		58	MPa	ISO 178
Flexural modulus		1700	MPa	ISO 178
Izod Impact strength notched	4	2	kJ/m ²	ISO 180
Izod Impact strength unnotched	41	no break	kJ/m ²	ISO 180
HDT A		65	°C	ISO 75
Density		1,23	g/cm ³	ISO 1183

Print settings

Print temperature	255°C ± 10
Bed temp	85°C ± 10
Printing Surface	textured PEI sheet
Fan Speed	20-50%
Hotend (recommendation)	full metal

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 60°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.