

PLAx LW (Light Weight)

Nobufil PLaX LW (Light Weight) is an innovative PLA with active foaming technology based on the proven formula of our impact-modified PLaX. The filament is manufactured from recycled industrial waste sourced in Europe. It starts to expand at a certain level of temperature, significantly increasing its volume and enables printing of very lightweight components. This material is suitable for printing technical parts using FDM technology.

Material properties

Properties	FDM H 240°C	FDM H 190°C	Injection		Method
Tensile strength	9,5	32	45	MPa	ISO 527
Elongation at break	19,5	10	8	%	ISO 527
Flexural strength			87	MPa	ISO 178
Flexural modulus			3600	MPa	ISO 178
Izod Impact strength notched	1,5	3,5	4,5	kJ/m ²	ISO 180
Izod Impact strength unnotched	3,5	12	19	kJ/m ²	ISO 180
HDT A			54	°C	ISO 75
Density	0,65	1,19	1,19	g/cm ³	ISO 1183

Print settings

Print temperature	235°C ± 10
Bed temp	65°C ± 10
Extrusion Multiplier	0,50 – 0,60
Printing Surface	textured PEI sheet
Fan Speed	max. 50%

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.