ABSx ESD

Nobufil ABSx ESD is a sustainable, modified ABS made from recycled industrial waste sourced in Europe. ABSx ESD offers excellent electrostatic energy dissipation and was specifically developed to protect sensitive electronic components from electrostatic discharge. This material is suitable to print technical parts using FDM technology.

Material properties

Properties	FDM H	Injection		Method
Tensile strength	28	33	MPa	ISO 527
Elongation at break	8	95	%	ISO 527
Flexural strength		57	MPa	ISO 178
Flexural modulus		1790	MPa	ISO 178
Izod Impact strength notched	4	6,5	kJ/m^2	ISO 180
Izod Impact strength unnotched	24	n. B.	kJ/m^2	ISO 180
HDT A		70	°C	ISO 75
Density		1,07	g/cm^3	ISO 1183
Surface resistivity		10^7 - 10^9	Ω	internal

Print settings

Print temperature	260°C ± 10
Bed temp	100°C ± 10
Printing Surface	textured PEI sheet
Fan Speed	max. 15%
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 - 70°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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