

Technical datasheet

Compound Vibers

color**Fabb**

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colorFabb Vibers PLA creates the most stunning smooth and matte surface finish on 3D printed items and gives the user a chance to print more carbon neutral.

The base color is dark brown, but users can add their own masterbatch to add a background color.

Through our collaboration with the Dutch company Vibers we've been able to formulate the compound in such a way that it reduces its carbon footprint with a third compared to regular PLA. Compound Vibers PLA is shipped in a 20kg cardboard box.

TYPICAL MATERIAL PROPERTIES – FFF 3D Printed

Physical properties	Unit	Value	Method
Tensile modulus	MPa	3025	ISO 527
Yield strength	MPa	37	ISO 527
Yield strain	%	2	ISO 527
Tensile strength	MPa	37	ISO 527
Tensile strain at tensile strength	%	2	ISO 527
Tensile stress at break	MPa	34	ISO 527
Tensile strain at break	%	3,5	ISO 527
Flexural modulus	MPa	-	ISO 178
Flexural strain at standard deflection	MPa	-	ISO 178
Flexural strength	MPa	-	ISO 178
Flexural strain at flexural strength	%	-	ISO 178
Flexural stress at break	MPa	-	ISO 178
Flexural strain at break	%	-	ISO 178
Charpy unnotched impact strength	kJ/m2	3,11	ISO 179-1/1 eU
Charpy notched impact strength	kJ/m2	1,29	ISO 179-1/1 eU
Heat Deflection Temperature (HDT)	°C	-	ISO 75

GUIDELINES FOR PROCESSING

Processing temperature 170 - 190°C
Drying advice 60°C for 6-9 hours

Disclaimer

The product- and technical information provided in this datasheet is correct to the best of our knowledge. The information given is provided as a guidance for good use, handling and processing and is not to be considered as a quality specification. The information only relates to the specific product and the material properties.