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colorFabb Vibers PLA White 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 color reminds of marlstone, a tint of yellow but otherwise mostly white color.

This filament comes on a cardboard spool made from recycled cardboard to further minimize the use of single use plastic.

#### TYPICAL MATERIAL PROPERTIES – 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

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#### TYPICAL MATERIAL PROPERTIES – Injection molded

Physical properties	Unit	Value	Method
Density	g/cm <sup>3</sup>	-	ISO 1183
Modulus of elasticity	MPa	-	ISO 527
Tensile strength	MPa	-	ISO 527
Tensile strain at tensile strength	%	-	ISO 527
Tensile stress at break	MPa	-	ISO 527
Tensile strain at break	%	-	ISO 527
Flexural modulus	MPa	-	ISO 178
Flexural strain at break	%	-	ISO 178
Flexural stress at 3.5% strain	MPa	-	ISO 178
Notched impact strength (Charpy), RT	kJ/m <sup>2</sup>	-	ISO 179-1/1 eA
Impact strength (Charpy), RT	kJ/m <sup>2</sup>	-	ISO 179-1/1 eU
Melting temperature	°C	-	ISO 3146-C

#### FILAMENT SPECIFICATION

Nominal diameter:	Diameter tolerance	Ovality
1,75 mm	± 0,05	≥ 95%
2,85 mm	± 0,10	≥ 95%

#### GUIDELINE FOR PRINT SETTINGS

Nozzle temperature	195 - 220°C
Bed temperature	50 - 60°C
Bed surface / modification	-
Active cooling fan	100%
Print speed	40-100 mm/s

#### Notes

The reported properties are an average of a batch of 3D printed specimens. The specimens have been printed in XY plane, using 0.15mm layerheight, 100% infill, 0.4mm nozzle, 210°C nozzle temperature and 55°C bed temperature.

#### 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.