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CorkFill is a combination of specifically sourced cork fiber and our PLA/PHA blend. Its dark brown color compliments the lighter woodFill and makes for a great addition to your filament collection. You can give your prints a special look, like it was part of nature.

TYPICAL MATERIAL PROPERTIES – 3D Printed

Physical properties	Unit	Value	Method
Tensile modulus	MPa	2223,29	ISO 527
Yield strength	MPa	31,45	ISO 527
Yield strain	%	2,21	ISO 527
Tensile strength	MPa	31,45	ISO 527
Tensile strain at tensile strength	%	2,21	ISO 527
Tensile stress at break	MPa	27,11	ISO 527
Tensile strain at break	%	7,64	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	27,52	ISO 179-1/1 eU
Charpy notched impact strength	kJ/m2	3,04	ISO 179-1/1 eU
Shore D	Shore D	-	ISO 7619
HDT	°C	-	ISO 75

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TYPICAL MATERIAL PROPERTIES – Injection molded

Physical properties	Unit	Value	Method
Density	g/cm ³	1,18	D 792
Tensile Strength (Yield)	MPa	2475	D 638
Elongation @ Yield	%	40	D 638
Elongation @ Break	%	5	D 638
Tensile Modulus	MPa	29	D 638
Flexural Modulus	MPa	11	D 790
Flexural Strength	MPa	2490	D 790
Rockwell Hardness, R Scale	-	NB	D 785
Izod Impact strength, notched @ -30 °C	J/m	58	D 256
Izod Impact strength, notched @ 23 °C	J/m	4	D 256
Deflection Temperature @ 0.45 MPa	°C	36	D 648
Deflection Temperature @ 1.8 MPa	°C	>155	D 648
Vicat Softening Temperature	°C	60	D 1525

FILAMENT SPECIFICATION

Nominal diameter:	Diameter tolerance	Ovality
1,75 mm	± 0.05mm	≥ 95%
2,85 mm	± 0.1mm	≥ 95%

Netto filament weight 650g

GUIDELINE FOR PRINT SETTINGS

Nozzle temperature	210 - 230°C
Bed temperature	50 - 60°C
Bed surface / modification	-
Active cooling fan	100%
Print speed	40-60 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, 220 °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.