Technical datasheet

corkFill

Date of issue: April 8, 2020
Version: v1.0

Colorfabb developed its own unique PLA blend for 3D printing, namely PLA/PHA. The added cork flour in this blend make it something special. This filament has a lovely dark brown color and complements woodFill perfectly. Check out learn.colorfabb.com for a tutorial and slicer profiles on how to print with corkFill.

TYPICAL MATERIAL PROPERTIES

Physical properties	Unit	Value	Method
Density	g/cm3	1,18	ISO 1183
Modulus of elasticity	MPa	2475	ISO 527
Tensile strength	MPa	40	ISO 527
Tensile strain at tensile strength	%	5	ISO 527
Tensile stress at break	MPa	29	ISO 527
Tensile strain at break	%	11	ISO 527
Flexural modulus	MPa	2490	ISO 178
Flexural strain at break	%	NB	ISO 178
Flexural stress at 3.5% strain	MPa	58	ISO 178
Notched impact strength (Charpy), RT	kJ/m²	4	ISO 179-1/1 eA
Impact strength (Charpy), RT	kJ/m²	36	ISO 179-1/1 eU
Melting temperature	ºC	>155	ISO 3146-C
Vicat A softening temperature	ºC	60	ISO 306

FILAMENT SPECIFICATION

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

Netto filament weight 650 grams / 2000 grams

GUIDELINE FOR PRINT SETTINGS

Advised 3D printing temperature	210 – 230 ºC
Advised bed temperature	50 – 60 ºC
Bed surface / modification	Our PLA/PHA compounds perform well on both heated and non-heated build platforms. For those users printing on a cold build platform we advise applying masking tape to the build area. The rough surface of the tape will provide enough adhesion for the first layer to stick and print almost without any warping.
Active cooling fan	0 – 100 %
Advised 3D printing speed	40 – 60 mm/sec

colorFabb B.V.
Bremweg 7
5951 DK Belfeld
The Netherlands

T +31 (0)77 – 4664015
F +31 (0)77 – 3971414
E sales@colorfabb.com
I colorfabb.com

KvK nr: 53498607
VAT nr: NL850902770B01
IBAN: NL54RABO0151849188
BIC: RABONL2U