

Learn more about our exciting new carbon fiber and copper filaments! Bilby 3D has vigorously tested these filaments to provide you with tips to make fantastic prints! Also back in stock is the popular bronze filament range. Keep a look out for Bilby 3D's own wood filament!

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Bilby 3D
Pty. Ltd.

New & Restocked Filaments

Preheat your printers because these filaments have just landed!



Carbon Fibre Filament

ColorFabbs' first special filament to be based on the Amphora 3D polymer. Reinforced with 20% specially sourced carbon fibers, this filament is perfect for parts which need high stiffness. It has a beautiful matte surface finish when printed....[Read more](#)



Copper Filament

You've all been waiting for it and now its here. ColorFabb's bronze filament is a fine blend of 80% copper particles and PLA that prints on standard desktop 3D printers at PLA settings... [Read More](#)



Bronze Filament

Like the Copper, this Bronze filament can print on standard desktop 3D printers with PLA settings. Made with a 80% bronze and 20% PLA mix.... [Read More](#)

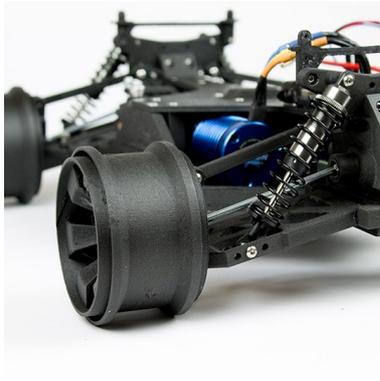


CeBIT

Only TWO days to redeem you FREE 3 day pass to CeBIT 2015, Australia's largest business technology exhibition...

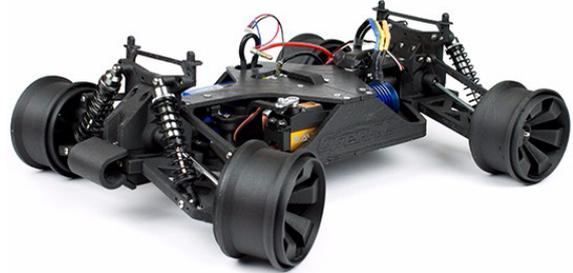
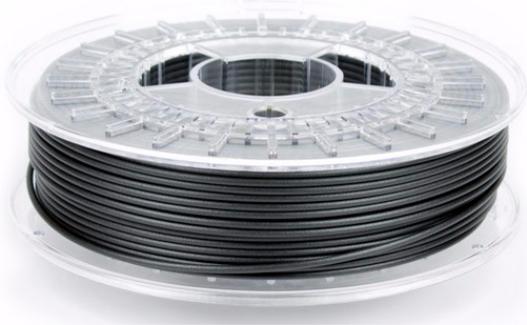
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Carbon Fibre Filament 1.75mm 750g Spool



ColorFabb's first special filament to be based on the Amphora 3D polymer. Reinforced with 20% specially sourced carbon fibers, this filament is perfect for parts which need high stiffness.

Once printed, this filament has a beautiful matte surface finish.



Key Features

- Extreme High Flex Modulus (6.2 GPa) / twice as stiff as PLA
- Moderate strain at break (8-10%), so no extreme brittle filament, but toughness
- High Glass Temp. (Tg = 80C)
- Very high Melt strength
- Very high Melt Viscosity
- Good dimensional accuracy and stability
- Low odor / Styrene Free solution
- Easy processing on many platforms

Bilby 3D's Recommended Printer Settings

Temp : 240-260C

Speed : 40-70mm/s

Bed Temp : 60-70c

Bed surface : Glue stick on glass

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PLEASE NOTE CARBON FIBER IS ABRASIVE

In general these fibers will accelerate the nozzle-wear of brass nozzles, much faster than unfilled filaments. Therefore we recommend to use Stainless steel or hardened copper alloys nozzles.

Unfortunately we don't know any company's manufacturing these nozzles, so please let us know if you do on 1800 847 333 or via reception@bilby3d.com.au.

Copper Filament 1.75mm 750g Spool

You've all been waiting for it and now its here. ColorFabb's Copper filament is a find blend of 80% copper particles and PLA that prints on standard desktop 3D pritners at PLA settings.



ColorFabb's Copper filament goes through remarkable change from spool to finished print. It is very brittle in its filament state and looks very dull and boring fresh off off the bed. But the finished print after polishing produces an beautiful, bright and strong copper piece. Polishing can be accomplished by hand or in a rock polisher.



Sanding and Polishing Tips!

1. Begin sanding with grit 120-180 until print lines vanish
2. Work your way up to grit 240-320 and then with grit 600 or higher
3. Finish it with a clean soft cloth and copper polish

Bilby 3D's Recommended Printer Settings

Temp : 240-260C

Makerbot Replicator 2 Temp : 200C

Ultimaker Temp : 220C

Speed : 50mm/s

Bed Temp : Cold

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Bronze Filament 1.75mm 750g Spool



Like the Copper, this Bronze filament can print on standard desktop 3D printers with PLA settings. Made with a 80% bronze and 20% PLA mix.

The filament on the spool is quite brittle but when printed the PLA bonds and blends with the bronze to produce a very strong material. Like copper prints, the bronze piece must be polished and sanded by hand or rock polisher.



Protip! For stronger prints and better reliability increase flow rate up to 10%. This will encourage the filament to thread through the hot zone at a steady pace.

Bilby 3D's Recommended Printer Settings

Temp : 195-220C
Speed : 40-100mm/s
Bed Temp : 50-60C or on Cold
Bed surface : Blue tape

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Upcoming Events

CeBit Australia
5th-7th May 2015
4pm-7pm
Sydney Olympic Park



Bilby 3D will be exhibiting at **Australia's largest business technology expo** this year. Come visit our stand at L32 and see **the latest 3D printing technologies and techniques**.

Also present will be the **sUNSWift solar racing team**, whom Bilby 3D are supporting by printing the interior of Eve, the solar passenger car.

Claim your **FREE ticket** to this exciting event **before the 17th of April** by clicking the image below.

CeBIT AUSTRALIA

THE GLOBAL BUSINESS TECHNOLOGY EVENT

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L32

COMPLIMENTARY EXPO+ PASS WITH PROMO CODE:
bilb4f

Promo code valid until 17 April 2015

REGISTER NOW ➔

If you have any queries, please don't hesitate to contact us by phone (1800 847 333) or via our email (reception@bilby3d.com.au).

Warm regards,

The Bilby 3D Team





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