

www.3ders.org

3D printer and 3D printing news

- [Home](#)
- [Price Compare](#)
- [Videos](#)
 - [3D Printers](#)
 - [3D Printing Technology](#)
 - [3D Printing Materials](#)
 - [Applications](#)
 - [Interviews](#)
- [Stats](#)
 - [Best 3D printing Campaigns on In die Go Go & Kicks tarter 2011](#)
 - [Top 100 websites 2011](#)
 - [Top 100 websites 2012](#)
- [3D Printing Basics](#)
- [Forums](#)

BioInspiration releases 2.85mm version of eco-friendly WillowFlex 3D printing filament

May 27, 2016 | By Benedict

BioInspiration, a Berlin-based startup specializing in environmentally friendly 3D printing materials, has announced that its WillowFlex premium eco-filament is now available in 2.85mm format. The larger filament will initially come in three colors: Charcoal, Engine Red, and Natural.



Last year, BioInspiration ran a successful Kickstarter campaign for its 1.75mm [WillowFlex 3D printing filament](#), raising almost €13,000 in pledges. Once the campaign drew to a close, the company spent a few months preparing and shipping orders, before sending out the final few packages in February 2016. The BioInspiration team, consisting of Brian Crotty and Thorsten Perl, has since put together a 2.85mm version of its flexible eco-filament, enabling users of Ultimakers and various Bowden extruder 3D printers to get their hands on the material.

When they formed BioInspiration in 2014, Crotty and Perl wanted to create a 3D printing filament that was ecological, safe, and unique. The duo successfully achieved that tripartite objective with their successful Kickstarter campaign, creating a non-toxic 3D printing material which decomposes naturally at the end of the object's lifecycle. Months later and the team has now added a fourth tenet to its philosophy: compatibility. The introduction of the 2.85mm filament range brings compatibility with Ultimaker 3D printers and other machines favoring the 2.85mm system. One of BioInspiration's trade partners even figured out how to [print](#) the flexible filament on a Bowden extruder.



Although many makers would like to use an eco-filament instead of PLA or ABS, many remain doubtful over whether such a material could be tough enough for serious printing applications. BioInspiration wanted to prove those makers wrong by creating a filament that was good for the planet *and* good for makers themselves. WillowFlex is made from a non-GMO cornstarch, and has a biodegrading level of 90% within six months. But despite its eco-friendly properties, the material maintains its integrity at temperatures up to 105°C and stays flexible at temperatures as low as -15°C, making it far from a lightweight in the materials world.

Curious about an eco-friendly filament but wondering how the prints might turn out? Last year, BioInspiration created these [3D printed Star Wars toys](#) to celebrate the release of *The Force Awakens* while publicizing WillowFlex. Each model was printed in WillowFlex filament before being hand-painted with biodegradable watercolors.



The first 120 spools of the new 2.85mm WillowFlex filament will be ready to ship on June 9. Customers buying the 2.85mm filament can choose from three colors: Charcoal, Engine Red, and Natural, while those buying the 1.75mm version can choose from 10 colors. WillowFlex materials are available through the BioInspiration online [shop](#) or through various international resellers.

WillowFlex

Ecological

- Create objects in harmony with the environment
- Items can compose and return to nature
- Raw material tested for compostability (EU 13432)

Safe

- Take full responsibility for the health of everyone in the printing area
- Natural smell during printing
- Produced with Quality in Berlin, Germany

Unique

- Heat-Resistant to 105°C
- Cold-Resistant to -15°C
- Strong Layer Adhesion
- Surface accepts acrylic & watercolor paint

Compatible

- Works on FDM & Bowden
- Uses standard print settings
- Print Speed of 50-70mm/s
- Available in 1.75mm & 2.85mm



WillowFlex

The World's First Flexible 3D Print Filament
made from Compostable Raw Materials.

Release Premium Eco-Filament WillowFlex 2,85mm of c...



Posted in [3D Printing Materials](#)



3D Printer Buyer's Guide

For Professional and Production Applications



Maybe you also like:

- [Kai Parthy is back with LAY-AWAY series of soluble support filaments for FDM 3D printing](#)
- [Filapack 3D printable filament sample subscription service hits Indiegogo](#)
- [3D-Fuel, 3Dom USA, & 3Dom Europe join forces to form new 3D printing filament company 3DomFuel](#)
- [Markforged launches 2X stronger high-temperature 3D printing fiberglass](#)
- [Extrudr unveils new Green TEC 3D printer filament made from renewable and natural materials](#)
- [New nylon 3D printing filament from Graphene 3D Lab promises strength & 'bendability'](#)
- [How fast does moisture break down popular 3D printing material PLA?](#)
- [Type A Machines launches new ProMatte lightweight 3D printer filament, 30% lighter than standard PLA](#)
- [colorFabb HT filament revealed, perfect for durable and temperature resistant 3D prints](#)
- [Kai Parthy reveals new REFLECT-o-LAY 3D printable filament that reflects light in the dark](#)



Tweet

Share

3



Leave a comment:



Your Name:

Submit

Subscribe us to



About 3Ders.org

3Ders.org provides the latest news about 3D printing technology and 3D printers. We are now four years old and have around 1.5 million unique visitors per month.



3D Printer Buyer's Guide

For Professional
and Production
Applications



An advertisement for the Celus3D Kickstarter campaign. It features a 3D printer on the left. Text includes "Celus3D KICKSTARTER" in blue and green, a price change from "\$199" (with "All Gone" below it) to "\$249" (with "Limited" below it), and social media statistics: "540+", "150%", and "18K+". At the bottom is a "Watch Review" button with a YouTube icon.

Resources

[3D Print Directory](#)

[Top 100 Websites](#)

[3D Printer Prices](#) NEW



News Archive

August 2016 (174)
July 2016 (219)
June 2016 (259)
May 2016 (264)
April 2016 (268)
March 2016 (307)
February 2016 (288)
January 2016 (284)
December 2015 (277)
November 2015 (288)
October 2015 (304)
September 2015 (209)
August 2015 (169)
July 2015 (219)
June 2015 (220)
May 2015 (195)
April 2015 (203)
March 2015 (200)
February 2015 (177)
January 2015 (231)
December 2014 (189)
November 2014 (188)
October 2014 (181)
September 2014 (156)
August 2014 (133)
July 2014 (132)
June 2014 (128)
May 2014 (147)
April 2014 (156)
March 2014 (149)
February 2014 (161)
January 2014 (173)
December 2013 (129)
November 2013 (147)
October 2013 (166)
September 2013 (130)
August 2013 (111)
July 2013 (127)
June 2013 (128)
May 2013 (134)
April 2013 (128)
March 2013 (140)
February 2013 (119)
January 2013 (134)
December 2012 (108)
November 2012 (96)
October 2012 (90)
September 2012 (65)
August 2012 (74)
July 2012 (68)
June 2012 (63)
May 2012 (72)
April 2012 (56)
March 2012 (58)
February 2012 (57)
January 2012 (65)

Categories

[3D Data Storage](#)

[3D Design](#)

[3D Designers](#)

[3D Scanning](#)

[3D Software](#)

[3D Systems](#)

[3D Technology](#)

[3D Printing Applications](#)

[3D Printing Apps](#)

[3D Printing Events](#)

[3D Printing Materials](#)

[3D Printing Service](#)

[3D Printing Technology](#)

[3D Printers](#)

[3D Printer Accessories](#)

[3D Printer Companies](#)

[3D Printer Resellers](#)

[Fablab](#)

[Fun with 3D Printing](#)

[Hackerspaces](#)

[Interviews](#)

[Printing Technology](#)

[Price Comparison](#)

[Rapid Prototyping](#)

[Statistics](#)

[Videos](#)



[Home](#) | [About us](#) | [Write for us](#) | [Contact us / Submit tips](#) | [Disclaimer](#) |



Copyright © 2011-2016. www.3Ders.org All Rights Reserved.