## Innofil3D and Polyscope partner up to launch a PVA support compatible ABS filament: ABS Fusion$^+$

**Innofil3D, manufacturer of premium FDM 3D filaments and Polyscope Polymers, global leader in the production of Styrene Maleic Anhydride (SMA) have partnered up and developed a PVA compatible ABS filament for 3D-printing: ABS Fusion$^+$.**

### Challenges with adhesion to support material

ABS is a thermoplastic material which is used in many applications. Since the rise of 3D-printing ABS was seen as an ideal material due to its versatile nature and large operating window. Unfortunately it never lived up to the expectations because of the challenges with adhesion to support material and bed surfaces.

### Playtime is over!

As of now tinkering with fluids or tape for adhesion and trial-and-error belongs to the past when printing ABS. ABS Fusion$^+$ is a genuine solution for users with demanding 3D-printing applications because of its adhesion to water soluble support, bed surfaces and low warping which allows for hassle-free printing of technical, functional parts. ABS Fusion$^+$ shall be released at the TCTshow in Birmingham.

The majority of the ABS filaments available on the market are primarily general purpose injection molding grades. This has an adverse effect on the material properties and usability of these FDM filaments and does not allow the end-user to reap full potential of 3D-printing. With ABS Fusion$^+$ Innofil3D offers an engineering filament which is optimized for 3D-printing. ABS Fusion$^+$ is made with XILOY™ 3D from Polyscope and will be available at Innofil3D's sales partners in the diameter 1.75mm and 2.85mm in the colors black, grey and natural.

### Joining forces

By partnering up Innofil3D and Polyscope combined their strengths and developed a 3D-printing solution for demanding technical users. Polyscope offers SMA based solutions for enhancing the performance of various engineering plastics and compounds like ABS, PA, PMMA and PS. Innofil3D has the capabilities and facilities to analyze material behavior during 3D-printing and realize improvements.

Paul van den Heuvel, Market & Application Development Manager at Polyscope: 'Our extensive knowledge of the properties and benefits of SMA has enabled us to develop an SMA/ABS based compound for the technical FDM market – XILOY™ 3D – providing the same benefits, such as adhesion to glass bed and support material'.

Roger Sijlbing, Sales Manager at Innofil3D: 'With this initiative we want professional users to experience that the ability to FDM 3D-printed end-parts is near and together we can unlock the full benefit of 3d-printing for professional applications. Our strategy to optimize engineering filaments for 3D-printing is becoming more and more a reality'.

**About Innofil3D**
Innofil3D B.V. was established in 2014 as a spin-off of Applied Polymer Innovations and is located on the Emmtec Industry and Business Park in Emmen, Netherlands. The company develops and produces high-quality printing filaments for fused deposition modeling (FDM) with a focus on engineering materials and has a profound knowledge of 3D FDM printing. The products offer added value to customers, which include distributors, resellers, manufacturers of 3D printers and professional end users. The company has an international distribution network. Innofil3D is a subsidiary of BASF and plays a central role in development and production of filaments for 3D printing.
www.innofil3d.com

**About Polyscope Polymers**
Polyscope is the global leader in research, product development, production and supply of styrene maleic anhydride (SMA) copolymers, compounds, aqueous solutions and styrene, maleic anhydride and N-phenylmaleimide (SMANPMI) terpolymers. A global customer base is supported from corporate headquarters and production in Geleen, The Netherlands, and with local compounding and contract manufacturing facilities, as well as sales & marketing support in Europe, North America, and Asia.
www.polyscope.eu

**Innofil3D Contact**
Roger Sijlbing, Sales Manager
Phone: +31 6 1640 1197
r.sijlbing@innofil3d.com