Press Release

Sinterline® accelerates the move from functional prototyping to 3D-printed serial production

Sinterline® solutions suitable for high temperature SLS 3D printers
Optimized PA6 powders to shorten production cycle
A dedicated platform featuring advanced services to accelerate customer transformation

Lyon, France, Nov. 12, 2019 – Solvay Performance Polyamides presents at Formnext 2019 (Hall 12.1 Booth F19) the latest improvements of its Sinterline® solutions to further accelerate the industry's transformation. Upgraded Sinterline® Technyl® polyamide 6 (PA6) powders feature easy processability while achieving high mechanical performances.

"The industry has realised the full potential of additive manufacturing and is moving from prototyping to serial production. To accelerate this transformation, solutions need to be developed to deliver real functional prototypes, closer in performance to injection molding parts," says Dominique Giannotta, Sinterline® Additive Manufacturing Leader for Solvay Performance Polyamides. *"This is where Sinterline® enables affordable customisation of functional 3D printed parts that could not previously be manufactured without great expense, time and material wastage. Parts' performance is improved thanks to HUB by Sinterline®, an advanced service platform which includes predictive simulation capabilities specifically designed for additive manufacturing."*

Sinterline® Technyl® PA6 powder range yields the mechanical and thermal performance required to make 3D printing parts a compelling option for functional prototyping and low to medium volume production. Based on a patented polymer and a specific formulation, which provides a robust and wide processing window, Sinterline® powders are entirely suitable for a large range of Selective Laser Sintering (SLS) printers adapted for high temperature polymers.

Unveiled at Formnext 2019, HUB by Sinterline® is a unique platform supporting the Sinterline® product offering with advanced services dedicated to 3D printing parts. HUB by Sinterline® connects together MMI® Technyl® Design[1] predictive simulation for 3D printing which models mechanical performances with a high level of accuracy, a Sinterline® functional prototyping service and application testing centre (APT®) to provide customer innovation with enhanced capabilities and synergies for efficient design and optimized performances.

®Sinterline, Technyl and APT are registered trademarks of Solvay.
[1] MMI® Technyl® Design is an advanced service powered by Digimat® from e-Xstream, an MSC Software Company.

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Solvay is an advanced materials and specialty chemicals company, committed to developing chemistry that addresses key societal challenges. Solvay is headquartered in Brussels with around 24,500 employees in 61 countries. Net sales were €10.3 billion in 2018, with 90% from activities where Solvay ranks among the world's top 3 leaders, resulting in an EBITDA margin of 22%. The Technyl® business is part of Solvay Performance Polyamides, a global business unit which is in the process of being acquired by major players in the industry.

For 66 years, the **Technyl®** brand supplies innovative polyamide 66-based solutions for automotive, electrical and electronics, construction, consumer goods and other markets. Leading expertise combining high performing products and advanced services are enabling the Technyl® Force to bring well-recognized added value to the industry.

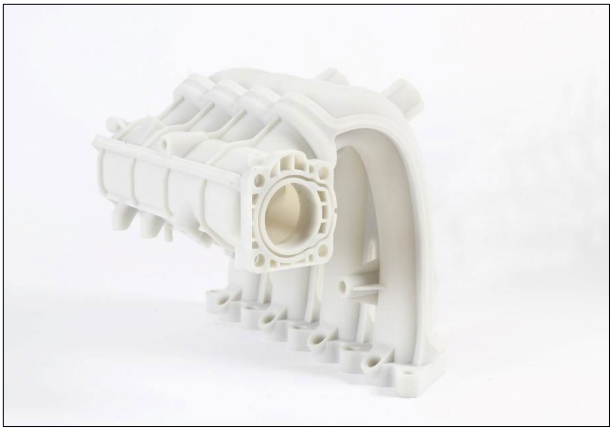
Learn more about the Technyl® brand at www.technyl.com, and follow us on LinkedIn / Twitter / Facebook / YouTube.

Media Contacts

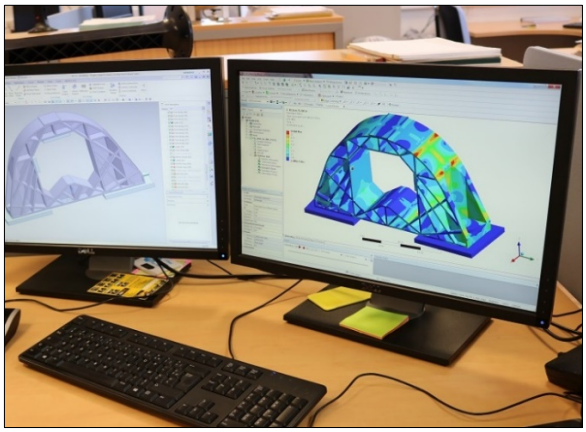
Solvay Communications

Frédéric Delamare
Solvay Performance Polyamides
+33 4 26 19 70 59
frederic.delamare@solvay.com

Alan Flower
Industrial Media Relations
+32 474 117 091
alan.flower@indmr.com



Sinterline® Technyl® powders, the first polyamide 6 (PA6) powder range designed for SLS, yield the mechanical and thermal performance required to make 3D parts printing a compelling option for functional prototyping and low to medium volume production. (Air Intake Manifold made with Sinterline® Technyl® PA6 powders.)
Photo: Solvay Performance Polyamides.



HUB by Sinterline® connects upgraded advanced services specifically designed for 3D printing. HUB includes a predictive simulation platform able to forecast part performance with a high level of accuracy. This enables to stretch mechanical performances while fully optimizing part design.
Photo: Solvay Performance Polyamides.