Press Release

Solvay Booth G69 Hall 12.1 | formnext

Solvay launches Solef® PVDF AM filament and joins Ultimaker Material Alliance

Bollate, ITALY, Nov. 19, 2019 – Solvay adds Solef® PVDF AM filament to the range of its material solutions for additive manufacturing (AM). The new specialty product is targeted at fused filament fabrication (FFF) processes and globally available through Solvay's e-commerce platform for AM materials www.solvayamshop.com.

With the Solef® polyvinylidene fluoride (PVDF) AM filament MSC NT 1, Solvay is joining the Material Alliance program formed by Ultimaker, a global leader for high-quality 3D printers and software. The Solef® PVDF AM filament print profile is now available on Ultimaker's Marketplace to enable optimized 3D printing on Ultimaker printers. Its Material Alliance aims at meeting growing demand for industrial-grade 3D printing materials and offers free downloads of print profiles.

"As AM technologies are rapidly expanding their scope from prototyping to tooling to small series production in the most demanding industries, our new Solef® PVDF filament extends material options for engineers and designers to include fluorinated semi-crystalline thermoplastics. The filament opens up a wide range of new FFF possibilities especially in the chemical processing, semiconductor and oil & gas industries." says Christophe Schramm, Manager of New Technologies for Solvay's Specialty Polymers global business unit. *"We are pleased to partner with Ultimaker for a plug-and-play experience with Solvay's new AM filament material and Ultimaker's large installed base of printers."*

Solef® PVDF AM filament MSC NT 1 provides long term performance up to 120°C, including exceptional chemical resistance and outstanding UV, weathering and oxidation resistance. The product is also intrinsically endowed with very high purity. These features make it particularly suited for outdoor applications and parts in contact with harsh chemical environments.

"Solvay's partnership with Ultimaker underscores our commitment to building a strong and diversified AM ecosystem that meets the increasing needs of our customers for high-performance 3D printable specialty polymers," adds Paul Heiden, SVP Product Management, Ultimaker. "*We encourage manufacturers and designers to explore Ultimaker's Marketplace and use the print profile of Solef® PVDF AM filament for evaluation."*

In addition to Solef® PVDF AM filament, Solvay's growing range of AM ready materials comprises KetaSpire® polyetheretherketone (PEEK) and Radel® polyphenylsulfone (PPSU) filaments which include medical and carbon fiber filled grades.

Solvay introduced the new AM filament at formnext 2019 in Frankfurt, Germany (Nov. 19-22) where the company is exhibiting in Hall 12.1 Booth G69. For more information visit the company's AM specialty polymers website**.**

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Ultimaker has been building an open and easy-to-use additive manufacturing platform with 3D printers, software and material solutions since 2011, enabling professional designers and engineers to innovate every day. Today, the company is the market leader in desktop 3D printing. From offices in the Netherlands, New York, Boston, and Singapore – plus production facilities in Europe and the U.S. – its global team of over 400 employees works to accelerate the world's transition to digital distribution and local manufacturing. Visit hpps://ultimaker.com for further information.

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Solvay is an advanced materials and specialty chemicals company, committed to developing chemistry that addresses key societal challenges. Solvay innovates and partners with customers worldwide in many diverse end markets. Its products are used in planes, cars, batteries, smart and medical devices, as well as in mineral and oil and gas extraction, enhancing efficiency and sustainability. Its lightweighting materials promote cleaner mobility, its formulations optimize the use of resources and its performance chemicals improve air and water quality. 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%. Solvay SA (**SOLB.BE**) is listed on Euronext Brussels and Paris Bloomberg: **SOLB.BB** - Reuters: **SOLB.BR**), and in the United States its shares (**SOLVY**) are traded through a level-1 ADR program. *Financial figures take into account the planned divestment of Polyamides.*

Solvay Specialty Polymers manufactures over 1500 products across 35 brands of high-performance polymers – fluoropolymers, fluoroelastomers, fluorinated fluids, semi-aromatic polyamides, sulfone polymers, ultra-high performance aromatic polymers, and high-barrier polymers – for use in Aerospace, Alternative Energy, Automotive, Healthcare, Membranes, Oil & Gas, Packaging, Plumbing, Semiconductors, Wire & Cable, and other industries. Learn more at www.solvayspecialtypolymers.com.

Media Relations

Enrico Zanini
Solvay Specialty Polymers
+39 338 603 4561
enrico.zanini@solvay.com

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

Marla Witbrod
Solvay Specialty Polymers
+1 770 772 8451
marla.witbrod@solvay.com

Joe Bennett
AH&M Marketing Communications
+1 413 448 2260 Ext. 470
jbennett@ahminc.com

Solvay's new Solef® PVDF AM filament is intrinsically of very high purity, provides long term performance up to 120 °C, including exceptional chemical resistance and outstanding UV, weathering and oxidation resistance. Solvay has joined the Ultimaker Material Alliance program and the print profile for Solef® PVDF AM Filament is now available for free download at Ultimaker Marketplace.

Products from left to right: KetaSpire® PEEK AM Filament ▪ Solef ® PVDF AM Filament ▪ KetaSpire® PEEK AM Filament CF10 ▪ Radel® PPSU AM Filament

Photo: Solvay

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