



Solvay brings industrialization solutions to its customers at JEC World 2020

Alpharetta, GA February 24, 2020 --- Solvay is enabling the composites industry to “Progress Beyond” by developing innovative technology solutions for the cost-effective adoption of composites in large volume programs. At JEC World 2020, Solvay will launch and promote materials and processes developed for industrialized processes:

- **Aerospace Performance and Fast Cure: CYCOM® EP2750**, a market first prepreg technology developed for the high rate, efficient manufacture of aerospace primary structure parts. This prepreg and associated process are competitive with machined aluminum and enable the manufacture of aerospace standard complex small to medium parts.
⇒ *Representative parts will be on display on Solvay’s stand M41. This technology is a finalist at JEC World Innovation Awards.*
- **Automation and High Volumes: Double Diaphragm Forming (DDF)** automated technology, as demonstrated on a [pilot line recently unveiled](#) at Solvay’s Application center in Heanor, UK, enables a sub 3min takt time (from raw material to cured part) when combined with **SolvaLite™ fast curing resin systems**.
⇒ *Watch a video on our stand showcasing our new demonstrator line and witness the result on an automotive inner door structure manufactured using SolvaLite™ 710-1.*
- **Performance and Ease of Processing:** Solvay’s **Evolite™ F series** thermoplastic composite tapes have been developed for demanding offshore O&G applications. They combine the recognized excellent corrosion resistance of Solef® PVDF with the inherent high strength performance of carbon fiber making it ideal for lightweight flexible pipes and risers at a lower cost of ownership.
⇒ *On our stand you will see a novel design of O&G offshore flexible pipes.*
- **Multi-functionality: Third generation aerospace structural prepreg and engineered materials** for added functionality (including noise dampening and lightning strike protection), making the switch from metal to composites more cost effective.
⇒ *At the show we will display a Clean Sky 2 fuselage panel demonstrating Solvay’s ability to support customers and R&D projects with material developments tailored to the project needs.*
- **Structural integration and lower cost of ownership: Textiles and resin systems for infusion** engineered for maximized performance, processability and automation compatibility while enabling structural integration and design freedom.
⇒ *Learn about Solvay’s rein infusion technologies on our stand.*
- **Additive Manufacturing and flexibility:** 3D printing is conquering the shop floor across industries, as it enables rapid, just-in-time production of functional prototypes, spare parts, and even small series, especially with challenging designs.



Solvay's KetaSpire® PEEK, also available with carbon fiber reinforcement, provides exceptional fatigue and chemical resistance as well as excellent mechanical properties at very high or low temperatures. Solvay's tailor-made filaments for Fused Filament Fabrication (FFF), allow better fusion of layers, enable high part density and offer exceptional part strength, even in the z-axis.

⇒ *At the show we will display a selection of 3D printed parts for aerospace or oil and gas applications.*

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About Solvay

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. *(Figures take into account the planned divestment of Polyamides).*

About Solvay Composite Materials

Solvay's new Global Business Unit Composite Materials is a global provider of technologically advanced lightweighting material solutions that enable our customers in the aerospace, automotive and other demanding industries to design, develop and efficiently manufacture high-quality, high-performance and complex composite structures. Composite Materials has the most extensive product portfolio, including prepregs, resin systems, adhesives and surfacing films, carbon fiber, textiles, tooling and vacuum bagging consumables, thanks to its leadership in advanced materials science, chemistry and application engineering. Solvay Composite Materials combines the former Cytac Aerospace Materials and Industrial Materials businesses.

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