

**Solvay launches FusePly™,  
breakthrough composite bonding technology  
for the aerospace industry.**

**Alpharetta, GA, May 14<sup>th</sup> 2018** -- Solvay launches FusePly™, a breakthrough composite bonding technology, at SAMPE Long Beach, 22-23 May 2018.

Solvay developed FusePly™ to enable the build of reliable, bonded composite parts using conventional manufacturing processes, through the creation of covalently bonded structures thus potentially removing the need for abundant rivets and fasteners. It addresses the manufacturing challenges faced by aircraft builders looking for improved performance, build rates and lightweighting.

FusePly™ offers clear step-change bonding performance and benefits to users:

- **Improved reliability:** Through the creation of chemical bonds, FusePly™ enables part manufacturers to have increased confidence in bonded structures.
- **Higher part performance:** Compared to mechanical fasteners, FusePly™ offers higher performance since drilling holes into fiber-reinforced structures introduces structural damage and creates stress concentrations that ultimately reduce the load capacity of the part.
- **Lightweighting:** The reduction and replacement of fasteners with FusePly™ bonding will substantially reduce the overall weight of the aircraft.
- **Design freedom:** Adhesives offer much greater design flexibility during manufacture and assembly at lower cost. FusePly™ can easily be integrated into existing manufacturing processes as an upgrade for traditional surface preparation methods.

Solvay will be introducing FusePly™ at SAMPE Long Beach 2018 by exhibiting samples on Stand M25 and presenting in the SAMPE conference program on May 23rd at 10.30 am.

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#### 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 Cytec Aerospace Materials and Industrial Materials businesses.

**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 €10.1 billion in 2017, 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.

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