

Press Release

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Porcher Industries and Airbus Helicopters to showcase world's first Carbon/PEEK helicopter rotor hub at JEC World 2017

The H160 is Airbus Helicopter's new cutting-edge composite helicopter, and the new benchmark aircraft of its class. As a world first, Airbus Helicopters and Porcher Industries will showcase this innovative structural component on the Porcher Industries stand, M28 – hall 6, JEC World 2017.

The H160 is the first civil helicopter with a composite structure making it an aircraft that is lighter, more robust, more resistant to corrosion and fatigue, and with significantly reduced maintenance needs. Porcher Industries, a world leader in technical textiles, carbon fibre reinforcements and thermoplastic composite solutions, has partnered with Airbus Helicopters to develop a new carbon/PEEK reinforced solution for optimized weight-saving and damage tolerance (versus other metals or composites made of thermoset resin).

The high performance prepreg material was developed using a PEEK resin, and required special reinforcement processing and high temperature impregnation expertise. This project has allowed Airbus Helicopters to master the processing and production of a CFRP composite part that delivers exceptional performance.

With the development of this innovative solution in partnership with Airbus Helicopters, Porcher Industries confirms its leading technological position for high performance thermoplastic composites in the aerospace market.

Media Enquiries
Samantha Keen
Director, 100% Marketing
sam@100percentmarketing.com

Dominique SUR
Communications, Porcher industries
dominique.sur@porcher-ind.com

About Porcher Industries.

As a major actor in high performance technical textiles and composites, Porcher Industries is active in five key markets: Aeronautics and Defence, Automotive, Construction, Industry and Electronics, Sport and Leisure. Present in Europe, China, the United States, Brazil and Russia, the group employs 1,950 staff and has a turnover of 305 M€.