



SHD Composites Launches CEM101 — A New Cyanate Ester with Enhanced Service Temperature and Dielectric Performance

Press release

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SHD Composites today announces the launch of CEM101, a new cyanate ester prepreg with improved glass transition temperature, specifically engineered for applications requiring minimal dielectric constant and loss tangent. Combining high service temperature with enhanced dielectric properties and structural strength, CEM101 delivers the desired characteristics for demanding applications in aerospace, space, defence and motorsport.

Building on SHD's proven expertise in developing leading cyanate ester prepregs, the new system delivers a radio frequency material with inherently flame-retardant resin chemistry, enhanced service temperature and dielectric performance. In addition, CEM101 offers excellent handling properties and a controlled flow during processing.

"CEM101 is the latest innovation from our thriving R&D team," said Dr. Alix Sauget, R&D Director at SHD Composites. "With enhanced service temperature and dielectric performance, CEM101 delivers a combination of characteristics with the consistency and reliability that defines SHD materials."

The new cyanate ester technology from SHD Composites brings together performance with processability, giving manufacturers in aerospace, space, defence and motorsport an easy-to-use advanced material solution.

This latest innovation follows the recent news of the company's expansion to a new 60,000 square foot manufacturing facility in Mooresville, North Carolina to quadruple domestic production capacity in North America.

For more information, technical data, processing guidance, or sampling enquiries, please contact your SHD account manager or your regional SHD representative.

About SHD Composites

SHD Composite Materials, a Cambium company, is a global advanced composite materials company with operations across Europe, the UK and the USA. Our proprietary materials platform combines AI-driven molecular design with state-of-the-art chemistry, materials science, and manufacturing capabilities. We develop new advanced materials and provide ISO qualified prepregs, films, adhesives and bespoke solutions to the highest performing applications and teams across the world. Our 200+ team proudly serves hundreds of customers across the aerospace, defence, energy, motorsport, marine and other high-performance industries, providing unique materials development and manufacturing capability to accelerate their development cycles and achieve higher performance.



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