

VESTALITE® enables lightweight design for the future of mobility

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Essen/Paris. In their effort to continuously optimize efficiency and driving dynamics, car manufacturers and suppliers strive to eliminate any unnecessary gram of weight. More than ever, lightweight design is considered the key to the future of mobility in the context of e-mobility and self-driving vehicles. With VESTALITE®, Evonik is presenting tailor-made solutions for high-performance composite materials based on epoxy and polyurethane polymers at the JEC tradeshow in Paris.

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The products enable the cost-efficient, quick processing of high-performance composite materials, making them particularly suitable for the next generation of automotive composite applications.

The VESTALITE® P series comprises resins for the continuous impregnation of prepregs. They generate storage-stable prepregs without markings for quick and automated prepreg compression molding. VESTALITE® P 312 enables the manufacture of components with excellent surface properties as well as outstanding material strength and flexibility. In contrast, VESTALITE® P 342 is primarily suited for manufacturing metal composite hybrid components with short cycle times.

VESTALITE® S is a diamine-based epoxy hardener for sheet molding compounds (SMC). In combination with epoxy resins, this results in SMC materials that are quick and easy to process for structural lightweight applications with minimal emission values.

The products of the VESTALITE® are supported by Vestaro GmbH. The joint venture of Evonik and Forward Engineering with business seat in Munich brings together the expertise of both companies in specialty chemicals and engineering, creating the basis for the successful interaction of material, design and process throughout the development phase.

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**March 12 - 14,
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About Evonik

Evonik is one of the world leaders in specialty chemicals. The focus on more specialty businesses, customer-orientated innovative prowess and a trustful and performance-oriented corporate culture form the heart of Evonik's corporate strategy. They are the lever for profitable growth and a sustained increase in the value of the company. Evonik benefits specifically from its customer proximity and leading market positions. Evonik is active in over 100 countries around the world with more than 36,000 employees. In fiscal 2017, the enterprise generated sales of €14.4 billion and an operating profit (adjusted EBITDA) of €2.36 billion.

About Resource Efficiency

The Resource Efficiency segment is led by Evonik Resource Efficiency GmbH and produces high performance materials and specialty additives for environmentally friendly as well as energy-efficient systems to the automotive, paints & coatings, adhesives, construction, and many other industries. This segment employed about 10,000 employees, and generated sales of around €5.4 billion in 2017.

About Crosslinkers

The Crosslinkers Business Line offers a broad range of products and competences for coatings and adhesives, civil engineering as well as for high-performance elastomers and composites. In addition to products based on isophorone chemistry, the product portfolio contains a full tool box of amine curing agents for ambient and heat cure applications. The products are mainly used in industrial applications due to the mechanical strength, durability, chemical resistance and excellent adhesion properties.

www.evonik.com/crosslinkers

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