



Press Release

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Covestro and NANODAX reach agreement on development collaboration

Covestro AG
Communications
51365 Leverkusen
Germany

Innovative, high-strength polycarbonates

- Reinforcement with glass wool
- Potential applications in the automotive, IT and electronics industries

Contact
Dr. Frank Rothbarth
Telephone
+49 214 6009 2536
Email
frank.rothbarth
@covestro.com

Covestro and NANODAX Co., Ltd. have signed an agreement on the development of innovative polycarbonate composites reinforced with glass wool. Tokyo-based NANODAX has developed a special process for the manufacture of these products. Conventionally, glass fibers are used for reinforcing thermoplastics such as polycarbonate. However, the new technology developed by NANODAX and their know-how enabled the use of glass wool as reinforcing filler for plastics. It has a small diameter and is more flexible than glass fibers. Covestro is a leading global supplier of polycarbonates and has comprehensive expertise in their processing and application. Both companies see good prospects for future use of the reinforced plastics in automotive, IT and electronics applications.

“We welcome the opportunity to work with NANODAX to advance such an exciting compound technology,” said Dr. Michael Schmidt, Head of Business Development for Polycarbonates Asia Pacific at Covestro. “Our development cooperation is targeting diverse application areas for polycarbonates reinforced with glass wool, and will open up new prospects for both companies. In particular, we are aiming at advantages in surface appearance and material processing. Cost reductions for customers are expected through an optimized injection molding manufacturing process.”

NANODAX Chairman and Executive Director Masanori Fujita added, “Together with Covestro, we aim to introduce our new materials and new technology to the global market. We value the global presence and technical expertise of our partner.”



The joint development work will be performed primarily at Covestro's Polymer Research & Development Center (PRDC) in Shanghai, China.

About Covestro:

With 2015 sales of EUR 12.1 billion, Covestro is among the world's largest polymer companies. Business activities are focused on the manufacture of high-tech polymer materials and the development of innovative solutions for products used in many areas of daily life. The main segments served are the automotive, electrical and electronics, construction and the sports and leisure industries. Covestro, formerly Bayer MaterialScience, has 30 production sites around the globe and as of the end of 2015 employed approximately 15,800 people (full-time equivalents).

About NANODAX:

NANODAX Co., Ltd was the first to industrialize glass wool reinforced resins in the world and is now pushing forward various resin reinforcement technology developments. NANODAX is a venture company with a portfolio including heating-style glass wool charging system technology, a special additive on the nano level, incombustible, ultra lightweight glass wool board with very good thermal insulation properties, and sound isolation.

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