News Release

LANXESS AG
Contact:
Michael Fahrig
Corporate Communications
Spokesperson Trade & Technical Press
50569 Köln
Germany

Phone: +49 221 8885-5041
michael.fahrig@lanxess.com

LANXESS at the “Plastics in E&E Applications” SKZ conference

- **Broad range of circular-economy-based E&E materials**
- **Polyamide 6 compound made from 92% sustainable raw materials**
- **Biocomposites for electronics housings**
- **Customized compounds for battery applications**

Cologne, May 18, 2022 – Specialty chemicals company LANXESS will have its own stand at the “Fuse Box Meets Dryer – Plastics in E&E Applications” conference organized by the South German Plastics Center (SKZ). The event is aimed at the electrical and electronics (E&E) industry and this year focuses on new material requirements regarding sustainability, the carbon footprint, and electromobility. “At the event, LANXESS will showcase a range of new polyamide and polyester compounds along with composites based on sustainable and resource-conserving raw materials. These materials are our contribution toward promoting the manufacture of components with a reduced carbon footprint and supporting our customers on the road toward climate-neutrality,” says Sarah Luers, who works as an engineer in global E&E application development in the LANXESS High Performance Materials (HPM) business unit. Another thematic focus will be plastic compounds for electric powertrains and charging equipment for electric vehicles. The SKZ conference will take place on June 1 and 2, 2022, in Veitshöchheim, Germany.

Alternative raw material basis

LANXESS already offers a broad range of sustainable plastic compounds. The alternative raw materials contained in these compounds are generally certified and mass-balanced in accordance with ISCC Plus (International Sustainability and Carbon Certification). Examples include the Durethan ECO and Pocan ECO product ranges based on polyamide 6 and 66 (PA 6 and PA 66) / polybutylene terephthalate (PBT), which contain between 15% and 60% by weight of recycled fiber made from glass waste. One highlight is Durethan

LANXESS AG
Contact: Michael Fahrig
Corporate Communications
Spokesperson Trade & Technical Press
50569 Köln
Germany

Phone: +49 221 8885-5041
michael.fahrig@lanxess.com

BLUEBKV60H2.0EF, a polyamide 6 compound made from various materials including “green” cyclohexane and reinforced with 60% by weight of recycled glass fibers. This product is part of the new “Scopeblue” range, under which LANXESS markets products that contain a significant proportion of circular (recycled or bio-based) raw materials or have a significantly lower carbon footprint than conventional products. The aim is to continuously expand this product range in the future – a recent addition being Durethan BLUEBKV30H2.0, which has a glass fiber content of 30% by weight. Luers: “We will develop comparatively sustainable compounds that fulfill typical E&E requirements such as superior flame-retardant properties and high tracking resistance.”

Another “Scopeblue” product innovation is a lightweight, continuous-fiber-reinforced Tepex compound based on flax and polylactic acid. The weight-specific stiffness of the biocomposite is comparable to that of equivalent glass-fiber-reinforced material variants. One potential E&E application includes housing components for consumer electronics.

Bundled expertise for batteries and powertrains

Over its many years of business with the electrical, electronics and automotive industry, LANXESS has acquired a vast range of material and application expertise in plastics for battery and electric powertrain components. This expertise can be seen, for example, in a large plastic housing designed to accommodate high-voltage batteries for electric vehicles. The product was developed in collaboration with Kautex Textron as a near-series technology demonstrator, whereby LANXESS was responsible for material development and Kautex for component and process development. The geometrically complex lightweight component does not contain any metallic reinforcing elements and weighs somewhere in the medium two-figure kilogram range. The results of finished part tests are now available and demonstrate that the component fulfills the high requirements.

New concept for electric vehicle charging inlets

Another highlight of the LANXESS stand will be an in-house-developed concept for the modular design of charging inlets for electric vehicles. Customized materials ensure a high degree of cost-cutting functional integration. The entire module, which comprises just a few components, can be assembled quickly and without the need for screws, which also helps to reduce costs.

Composites with superior inherent flame-retardant properties

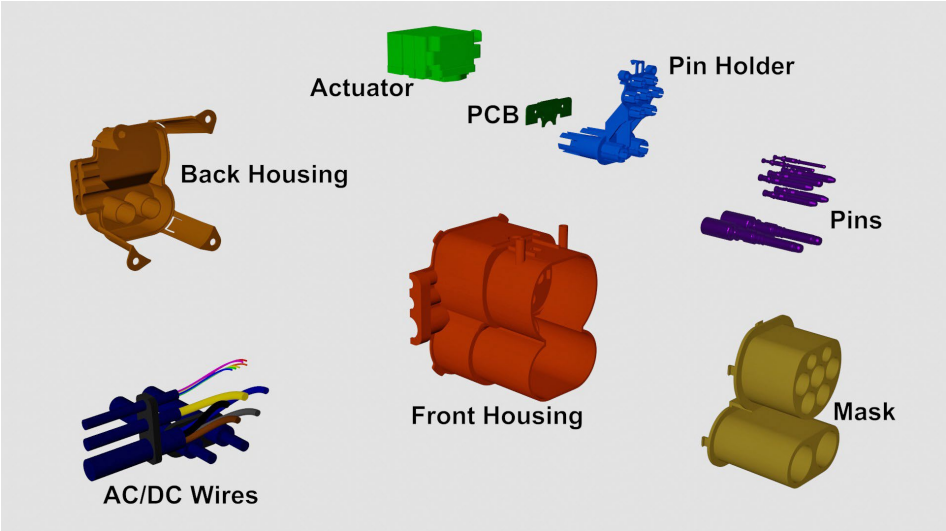
The LANXESS stand will also highlight the application possibilities of Tepex continuous fiber-reinforced thermoplastic composites for batteries. The material offers incredible potential, in particular regarding its flame-retardant properties. Luers: “We will be showing a film on our stand demonstrating how the superior inherent flame-retardant properties of the composites when used in battery components can really pay off in the event of a thermal runaway of the battery.” A thermal runaway occurs when the battery starts to overheat due to an uncontrolled chemical reaction, potentially causing the battery to catch fire and explode.

LANXESS AG
Contact: Michael Fahrig
Corporate Communications
Spokesperson Trade & Technical Press
50569 Köln
Germany

Phone: +49 221 8885-5041
michael.fahrig@lanxess.com

News Release

Image



The charging inlet concept involves a modular design. Once the cables and contact pins have been placed in the holder and the PCB has been clipped in, all the components are put together with the aid of snap fits.

Graphic: LANXESS

LANXESS AG
Contact: Michael Fahrig
Corporate Communications
Spokesperson Trade & Technical Press
50569 Köln
Germany

Phone: +49 221 8885-5041
michael.fahrig@lanxess.com

LANXESS is a leading specialty chemicals company with sales of EUR 7.6 billion in 2021. The company currently has about 14,900 employees in 33 countries. The core business of LANXESS is the development, manufacturing and marketing of chemical intermediates, additives, specialty chemicals and plastics. LANXESS is listed in the leading sustainability indices Dow Jones Sustainability Index (DJSI World and Europe) and FTSE4Good.

Forward-Looking Statements
This company release contains certain forward-looking statements, including assumptions, opinions, expectations and views of the company or cited from third party sources. Various known and unknown risks, uncertainties and other factors could cause the actual results, financial position, development or performance of LANXESS AG to differ materially from the estimations expressed or implied herein. LANXESS AG does not guarantee that the assumptions underlying such forward-looking statements are free from errors, nor does it accept any responsibility for the future accuracy of the opinions expressed in this presentation or the actual occurrence of the forecast developments. No representation or warranty (expressed or implied) is made as to, and no reliance should be placed on, any information, estimates, targets and opinions contained herein, and no liability whatsoever is accepted as to any errors, omissions or misstatements contained herein, and accordingly, no representative of LANXESS AG or any of its affiliated companies or any of such

person's officers, directors or employees accepts any liability whatsoever arising directly or indirectly from the use of this document.

Information for editors:
All LANXESS news releases and their accompanying photos can be found at http://press.lanxess.com. Recent photos of the Board of Management and other LANXESS image material are available at http://photos.lanxess.com.

You can find further information concerning LANXESS chemistry in our WebMagazine at http://webmagazine.lanxess.com.

Follow us on Twitter, Facebook, LinkedIn and YouTube:

http://www.twitter.com/LANXESS
http://www.facebook.com/LANXESS
http://www.linkedin.com/company/lanxess
http://www.youtube.com/lanxess

LANXESS AG
Contact: Michael Fahrig
Corporate Communications
Spokesperson Trade & Technical Press
50569 Köln
Germany

Phone: +49 221 8885-5041
michael.fahrig@lanxess.com