**PRESS RELEASE**

**Techtextil 2024: Freudenberg experts send a message about sustainability with innovative and recycled materials**

**Weinheim, March 14, 2023. Freudenberg Performance Materials (Freudenberg) is showcasing pioneering and sustainable solutions for the automotive, building, apparel, filtration and packaging industries at Stand C29, Hall 12.2 of this year’s Techtextil in Frankfurt am Main from April 23 – 26. The materials developed by Freudenberg’s experienced specialists score in terms of recycling and circularity.**

**Sustainable nonwoven for car seats**

As one of the world’s leading manufacturers of technical textiles, innovative solutions from Freudenberg help the automotive industry become more sustainable. One innovation highlight at Techtextil is a novel Polyester nonwoven material for car seat padding. Also available as a nonwoven composite with PU foam, it is not only easier for car seat manufacturers to handle during the mounting process, but also ensures better dimensional stability as well as providing soft and flexible padding. The material is single origin and has low volatile organic compounds (VOC), ensuring a lower environmental impact. It also has a minimum 25 percent recycled content, for example, by reusing nonwoven clippings and waste, and is fully recyclable. Full supply chain transparency enables customers to easily trace and verify the content of the nonwoven and thus ensures a responsible production process. The Freudenberg experts will also be presenting several other nonwoven solutions made of up to 80 percent recycled materials that can be used in car seat manufacturing.

**Biocarrier for green roofs**

As part of its commitment to sustainable building concepts, Freudenberg is showcasing a sustainable carrier material for green roofs on urban buildings at the trade fair. The carrier is made from polylactide, i.e. from renewable resources. When filled with soil, it provides a strong foothold to root systems, enabling the growth of lightweight sedum blankets that can be rolled out to provide instant green roofs. These roofs not only help counter urban heat, they also improve stormwater management and regulate indoor temperatures.

**From textile waste to padding**

Freudenberg continues to promote the circular economy in the textile industry with several new solutions. For example, the company extended its circular thermal wadding product range with the release of comfortemp® HO 80xR circular, a wadding made from 70 percent recycled polyamide from discarded fishing nets, carpet flooring and industrial plastic. Because polyamide 6, also known as nylon, retains its performance characteristics after multiple recycling processes, the fibers can be used again and again to manufacture performance sporting apparel, leisurewear and luxury garments. Just recently, Freudenberg contributed another innovative thermal insulation to the first parka made from 100 percent recycled used clothing. This was made possible by loopamid®, a new nylon fiber developed by BASF that simplifies textile-to-textile recycling for nylon garments.

**Packaging solutions with various sustainability benefits**

Freudenberg is also showcasing pioneering products for sustainable packaging and filtration solutions. The long-lasting Evolon® technical packaging series is a substitute for disposable packaging used in the transport of sensitive industrial items such as automotive parts. The material is made from up to 85 percent recycled PET. A further highlight at Techtextil are Freudenberg’s fully bio-based solutions for manufacturing dessicant bags. The binder-free material based on bio-fibers is also industrially compostable.

In addition, the experts will be giving trade fair visitors an insight into Freudenberg’s Filtura® portfolio. The innovative Air Pollution Control (APC) filtration bags made from hydroentangled microfilament material for industrial filtration are not only lightweight, but also offer customers a high filtration performance and trouble-free filter cleaning.

**CO2-neutral trade fair stand**

As at the last Techtextil, Freudenberg's presence at this year's trade fair will be CO2-neutral. The CO2 emissions of materials and activities at the trade fair will be calculated and then offset by planting trees.

**Photos:**

****

*Durable packaging solutions from Evolon® are suitable for the transportation of sensitive industrial items, for example for automotive parts.*

Source: ©Freudenberg Performance Materials

*Ein Bild, das Kunst, Winter enthält.

Automatisch generierte Beschreibung*

*Freudenberg´s sustainable carrier material for green roofs on urban buildings is made from renewable resources.*

Source: ©Freudenberg Performance Materials

**Contacts for media inquiries**

Freudenberg Performance Materials Holding GmbH

Holger Steingraeber, SVP Global Marketing & Communications

Höhnerweg 2-4 / 69469 Weinheim / Germany

Phone +49 6201 7107 007

Holger.Steingraeber@freudenberg-pm.com

www.freudenberg-pm.com

Katrin Böttcher, Manager Global Media Relations

Höhnerweg 2-4 / 69469 Weinheim / Germany

Phone +49 6201 7107 140

Katrin.Boettcher@freudenberg-pm.com

www.freudenberg-pm.com

**About Freudenberg Performance Materials**

Freudenberg Performance Materials is a leading global supplier of innovative technical textiles for a broad range of markets and applications such as apparel, automotive, building interiors, building materials, healthcare, energy, filter media, shoe and leather goods as well as specialties. In 2022, the company generated sales of some €1.6 billion, had 32 production sites in 14 countries around the world and had more than 5.000 employees. Freudenberg Performance Materials attaches great importance to social and ecological responsibility as the basis for its business success. For more information, please visit www.freudenberg-pm.com

In 2022, the Freudenberg Group employed more than 51,000 people in around 60 countries worldwide and generated sales of more than €11,7 billion. For more information, please visit www.freudenberg.com.