



FREUDENBERG HEALTHCARE VALUE STORIES

HIGH PERFORMANCE BACKING MATERIALS

Wearable devices in healthcare applications are becoming more and more important. Flexible electronics are **applied on a carrier or patch**, which, once applied to the body, **read and analyse particular body functions** with a connected device.

Did you know that more than **500 million people** worldwide suffer from **diabetes** today and the number is expected to increase to **1.3 billion by 2050**? Continuous glucose monitoring (CGM) has set new standards in the treatment of diabetes and makes life easier for patients.

FPM supports this trend with **high performance backing materials** made from polyurethane. Polyurethane has **excellent elastic properties**. Our proprietary raw material blend turns out to best-in-class elastic backing materials which conforms perfectly to body contours, follows any movement, and helps to keep the sensors or any patch in place and function.

For ease of processing, the nonwoven is supplied on a carrier. It can be easily coated with different adhesive chemistries. Good conformability and elastic properties support **long wear times** (adjustable according to adhesive type), helping to **reduce healthcare costs**.

The outstanding product characteristics also open up **new fields of applications**: The material can, for example, be **combined with films**, used as **backing material** for wound dressings, or aid for **multilayer constructions**. It enables our customers to provide the market leading solutions for challenging applications.

CUSTOMER VALUE

- Bi-elastic
- Elongation >200 %
- Air permeable
- Excellent MVTR rate
- Proven carrier for extended wear time
- Textile like touch
- Reliable and customer-centric team



YOUR CONTACT

GLOBAL BUSINESS DIVISION HEALTHCARE

Nils Dorn

Sales Manager Healthcare

Phone +49 (0) 6201 7107 878

Mobile +49 (0) 173 408 7077

nils.dorn@freudenberg-pm.com



INNOVATING TOGETHER