



**WINDTEX**

presents

  
**BeLeaf**  
TEXTILE EVOLUTION TECHNOLOGY

Where  
innovation  
meets  
performance



## Introducing BeLeaf: The Revolutionary Membrane Integrated with Hexagonal Boron Nitride (h-BN)

In the pursuit of innovation and excellence, **BeDimensional**, the leading producer of few-layers hexagonal boron nitride (h-BN), has partnered with **Windtex Vagotex**, a leader in technical membrane production for textiles, to introduce a groundbreaking product: **BeLeaf**. This innovative membrane integrates h-BN, offering unparalleled efficiency in heat regulation while maintaining top-notch mechanical performance.

### Unparalleled Heat Regulation

BeLeaf represents a significant leap forward in heat regulation technology for textiles.

By incorporating h-BN, renowned for its exceptional thermal conductivity, the membrane ensures optimal temperature control, effectively managing heat transfer to keep users comfortable in a variety of environments. Whether in extreme heat or cold, BeLeaf provides a consistent and comfortable experience, making it ideal for a wide range of applications, from outdoor gear to performance apparel.

### Enhanced Mechanical Performance

While prioritizing thermal regulation, BeLeaf does not compromise on mechanical strength. The membrane retains the durability and resilience expected from high-performance textiles, ensuring longevity and reliability in demanding conditions. Its robust construction withstands wear and tear, maintaining performance over time and in various usage scenarios. Whether facing rugged terrain or intense physical activity, BeLeaf delivers consistent performance and protection.

### Ideal for Outdoor Use

One of BeLeaf's standout features is its suitability for outdoor applications. Its unique composition and integration of h-BN provide added resilience against direct irradiation and environmental factors. Even when exposed to prolonged sunlight or intense heat, BeLeaf resists heating up, offering sustained comfort and protection. This property makes it an ideal choice for outdoor enthusiasts, professionals working in extreme conditions, and anyone seeking reliable performance in challenging environments.

### Partnership for Innovation

The collaboration between BeDimensional and Windtex Vagotex represents a fusion of expertise and innovation. By leveraging BeDimensional's pioneering work in h-BN production and Windtex Vagotex's expertise in technical membrane manufacturing, BeLeaf has emerged as a trailblazing product that redefines industry standards. This partnership underscores a shared commitment to pushing the boundaries of textile technology, delivering solutions that blend cutting-edge science with practical application.

Where innovation meets performance



In collaboration with

**BEDIMENSIONAL**