



Introducing Enkair®

The next generation of
comfort cushioning

breathable – washable – eco-friendly

Enkair® cushioning layers

Enhancing comfort and environmental sustainability

Enkair has been developed for the most demanding cushioning applications to replace foam. Its pyramid shaped filament structure is designed to provide optimal pressure distribution combined with unsurpassed ventilation characteristics creating a healthy micro-climate. Made of a thermoplastic polymer Enkair is available in different shapes, sizes and firmness levels. The filament mat is fully recyclable, facilitating the manufacture of eco-friendly high-performance cushioning products.

Why Enkair instead of cushion foam?

The specific characteristics of Enkair deliver a number of advantages over foam:



Comfortable

Enkair conforms exactly to the body providing an optimal balance between softness and support with maximum comfort as the result.



Washable

Enkair cushioning layers can be easily washed in water to remove bacteria and germs. A major hygienic advantage over foam.



Breathable

Thanks to its unique pyramid-shaped filament design, Enkair has more voids than its alternatives, letting air flow freely even at the highest compression loads.



Lightweight

Enkair is lighter than foam and thus easy to handle. When used in airplane or car seats, this helps realize fuel savings. Yet another environmental benefit.




Recyclable

In contrast to foam, Enkair can be fully recycled at the end of its lifespan to produce new cushioning material with the same high performance. Time and again.



Pressure relieving

Enkair cushioning layers can be produced with zones of different firmness grades. This provides targeted support areas exactly where they are needed.



Revolutionizing the cushioning industry

Enkair is the material of choice for advanced cushioning applications in our future circular economy. Typical end-uses include:



Consumer mattresses

Thanks to the introduction of Enkair cushioning material, eco-friendly recyclable mattresses will soon be a reality. Durable hygienic mattresses with extra comfort. For peace of mind and a good night's sleep.



Medical mattresses

Preventing pressure ulcers in healthcare mattresses is a matter of pressure reduction and a good skin micro-climate. Features which Enkair provides reliably in addition to extra hygiene.



Airplane seats

Weight reduction to save fuel is high up on the agenda of the commercial aircraft industry. When used to replace foam, low-weight Enkair contributes to this goal whilst adding comfort for passengers.



Wheel chair cushions

Enkair's unique structure is designed for optimum pressure reduction and excellent ventilation properties. When used in wheelchair cushions, it ensures the gentle treatment of the skin.



Car seats

Long drives mean motorists demand seats which guarantee maximum comfort. And cars need to get as far as possible on a limited amount of energy. Thanks to its low weight, Enkair facilitates both.



Office chairs

Demand the best you can get during your many hours at the office. With seat designs involving Enkair cushioning material to provide softness, support and good ventilation. All day long.



Want to find out more?

Let's get in touch and discuss what Enkair can do for you!

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Disclaimer

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