

# LIEN'A

Freshen Up Your Life

## 100% Natural Latex

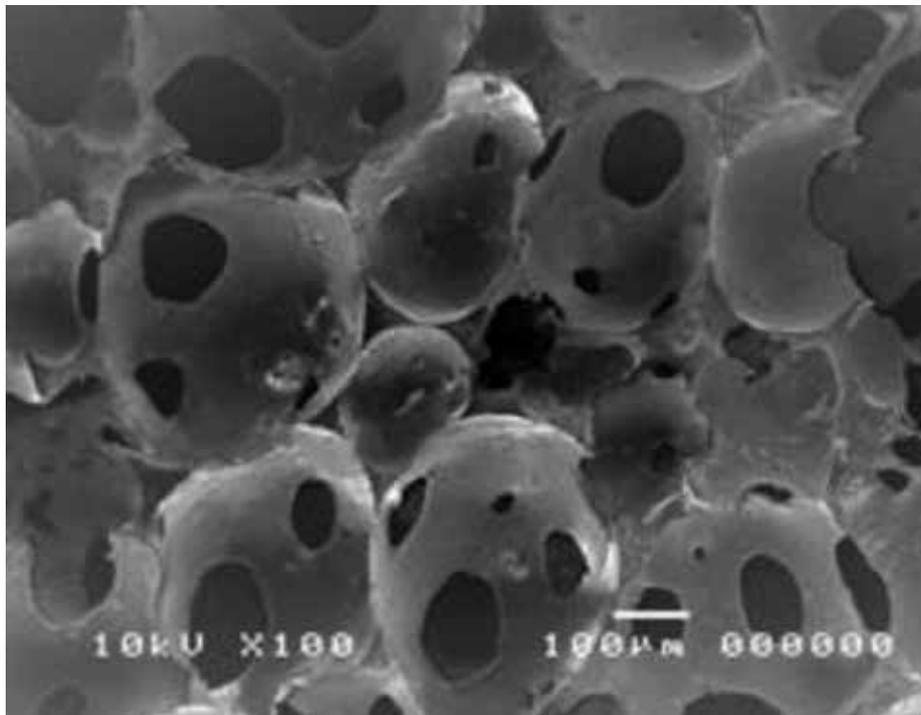
### What does 100% Natural Latex actually mean?

Is guarantees that the natural latex collection, as produced by Lien'A Co., Ltd in Vietnam, uses only 100 % natural rubber polymers in its product range, so Lien'A doesn't use any synthetic latex (or SBR'ers). One kilogram of a final product contains 960 grams, or more, of the natural latex polymers.

As a reference: Gols certified organic natural latex uses a similar high standard: the usage of synthetic latex (or SBR'ers) is not allowed. One kilogram of GOLS certified organic natural latex contains ad least 950 grams of organic natural latex polymers.

### Does Natural Latex sleep hot?

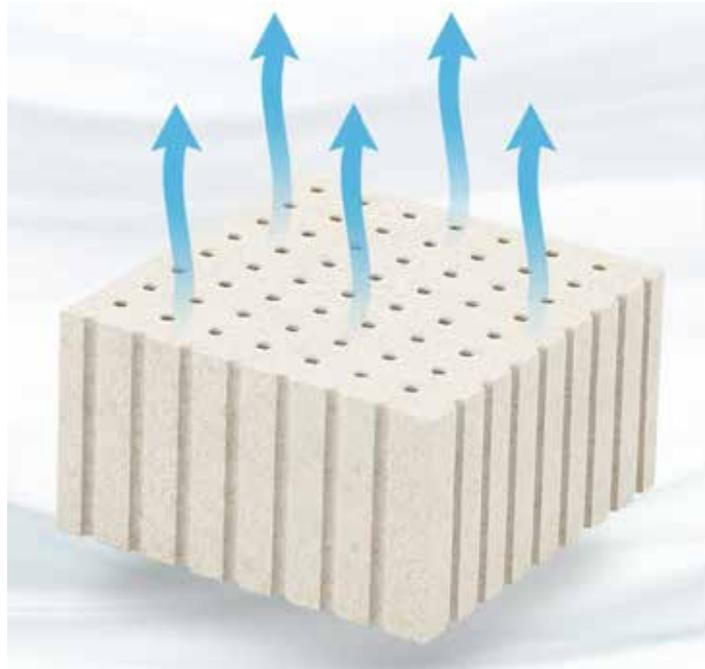
Natural Latex is a natural product and comes – standard -- with an open cell structure.



This open cell structure, allows Natural Latex to dissipate heat build up during the night, away from the sleeping surface.



**As a comparison:** most of the Poly-Urethane (PU) and Visco-Elastic foams have a closed cell structure; this applies as well for synthetic latex. Heat dissipation is then blocked by the chemical structure of the comfort material.



**Why is Natural Latex so good?**

Natural Latex is the most elastic and resilient comfort material available in the market. It is very soft during a gentle compression of the material (which is good for the blood circulation), but it comes with progressive support during a deep compression of the material (your hip area – which contains 50-60 % of your body weight – as a high concentration of weight, this progressive support aligns your backbone in a natural way while sleeping. Natural Latex has a support factor exceeding 4!



# Circular Economy

There are three methods of waste management considered appropriate, in the environmental sense, to dispose natural rubbers: recycling, incineration and biodegradation.



## 1. Rubber recovery from recycling can be a difficult process; however, there are reasons why we should reclaim rubber:

Reclaimed rubber is cheaper than virgin natural rubber or synthetic rubbers;

Producing rubber from reclaim requires less energy in the total production process than does the virgin rubbers;

Recycling activities can generate work in developing countries. Examples of recycled natural latex might be: shredded natural latex as filler material for pillows and bolsters and cattle mats.



## 2. Incineration:

Combustion of natural latex is quite clean, although some hydrocarbons, minute quantities of unreacted nitrogen-based chemicals, and sulfur dioxide may be produced at low incineration temperatures.



## 3. Biodegradation of natural latex:

Natural rubber/latex can be disposed of by either landfill or incineration without environmental damage;

Since ordinary aerobic or anaerobic decomposition processes in natural rubber/latex items will not form any toxic products, pillows, toppers and cores may be disposed of in any landfill. However, breakdown in landfill will take time.

Over the years, there have been concerted efforts to investigate microbial natural rubber degradation. It became obvious that bacteria as well as fungi are capable of degrading natural rubber. It is assumed that degradation of natural rubber backbone is initiated by oxidative cleavage of the double bond.

**When natural latex cores are covered by quilted covers and the natural latex has minimal exposure to air, sunlight and other elements, it has haven to last 25 years! Lien'A mattresses can last up to 25 years and are biodegradable. From cradle to grave we have an all-natural solution.**

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