

Learning more with T.Silk:
Sustainable natural padding made of silk,
free from microplastic fibers, releasing only natural vibes



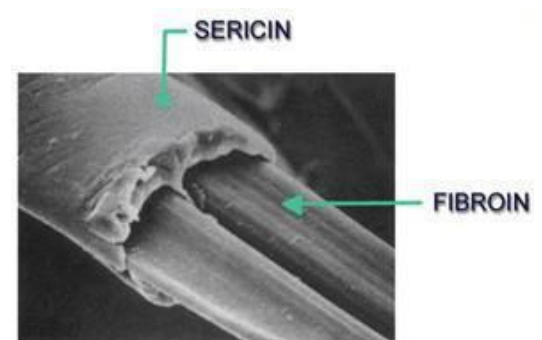
T.Silk®

The padding that only releases natural vibes

Filling and padding by **T.Silk** as well as any ingredients used in its production, consist of **natural silk** fibers.

If you look at the chemical components:

| Elements | Fibroin | Sericin |
|----------|---------|---------|
| C | 47,60 | 46,50 |
| H | 6,39 | 6,04 |
| N | 18,33 | 16,50 |
| O | 27,68 | 30,96 |



Fibroin is a highly biocompatible and biodegradable polymer protein, resistant to microbiotic contamination. Highly stable and protective of the human epidermis, it promotes the synthesis of collagen and the activity of the skin's immune system. It also acts as a thermoregulatory component.

Sericin is a protein which demonstrates a unique affinity to other human proteins. It can bind with keratin of skin and hair. It is characterized by high hygroscopicity, acts as moisturizing agents and collagen stabilizer and amino acid reintegrator. Sericin is also considered to be highly antioxidant, contributing to anti-age effect. Its antibacterial and antifungal effects are also known.

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What are the substances that T.Silk padding can release in nature?

Below you see a detailed list of organic compounds mainly amino acids which T.Silk padding could "release" into the nature during its use, washing or after having been disposed of:

| | |
|-----------------------|--|
| GLYCINE | Helps to induce the process of oxygen release. |
| ALANINE | An important source of energy for muscle tissue |
| SERINE | Improves glucose storage in liver and muscles. |
| ASPARTIC ACID | Helps expulse harmful ammonia from the body. |
| GLUTAMIC ACID | Considered to be a natural "food for the mind" |
| VALINE | Stimulates mental vigor and muscle coordination |
| PROLINE | Essential as it allows joints and tendons to function properly. |
| THREONINE | An important constituent of collagen |
| LYSINE | Ensures adequate absorption of calcium |
| ARGININE | Improves the immune response to bacteria, viruses and cancer cells. |
| TYROSINE | Transmits nerve impulses to the brain |
| PHENYLLALANINE | Used by the brain to produce noradrenaline |
| LEUCINE | Provide ingredients for the production of essential biochemical components in the body |
| METHIONINE | Primary sulfur supplier |
| CYSTINE | Works as antioxidant, protects the body from radiation and pollution |
| TRYPTOPHANE | A natural relaxant which helps relieve insomnia |
| TAURINE | Helps to stabilize membrane excitability |
| HISTIDINE | Assists in stabilising oxyhaemoglobin in haemoglobin |

... just nature