

RAW MATERIALS

CORE

LATEX

- 100% Natural latex is produced in Guatemala in sustainable forest exploitation by "Rainforest-Alliance.com"
- Normal Blend
- Fire Retardant (FR)

Latex is a natural product originating from the rubber tree and is the ideal material for the construction of mattresses and pillows. We prefer latex to any other raw material due to the following main properties:

Self-ventilation and evaporation

As with most natural products, latex is porous, which means that it "breathes" and allows for excellent ventilation. Its structure, composed with millions of open cells, favors air circulation and evaporation of the body perspiration, thus keeping the mattress perfectly ventilated and dry.

Strength and durability

Proven endurance and durability through fatigue and compression tests.

High elasticity and flexibility

Naturally flexible, the elasticity of latex provides optimal support for every curve of the body, optimizing comfort and correct support. Avoids pressure points on the body, facilitating blood circulation. Reduces unnecessary movements while sleeping, allowing a more regenerative and quiet sleep.

Excellent body support and ergonomics

Providing the ideal support for the body and optimizing comfort, while keeping the back in a correct anatomical position, thus distributing weight away from the heaviest parts of the body and helping blood circulation. The correct and comfortable support for head, neck, shoulders, hips and spine. It keeps the spine in the anatomically correct position, even being a soft material.

Antibacterial, anti-mite and antifungal

This is a very hygienic product that does not generate dust or loose fibres, it is hypoallergenic and, naturally, prevents the appearance of bacteria, fungi and dust mites in the interior.

Persono's latex is available in three different densities, adaptable to weight and preference of each user, with the possibility of choosing between 100% natural latex, normal blend latex and fire retardant (FR) latex. The 100% Natural Latex, monozone or 7 zones, is produced in Guatemala in a sustainable forest exploitation, certified by "Rainforest-Alliance.com" and with certified emission reduction: positive carbon footprint.

The FR latex, used in the cores, contains flame retardant additives that make it suitable for sale in the UK, in accordance with BS 5852, Crib 2.

12 or 15 cm thick inner cores in 3 degrees of firmness (except model Tranquility):

- Soft

100% Natural Latex with a density of 70 kg/m³

Normal Blend Latex with a density of 60 Kg/m³

Fire Retardant Latex with a density of 74 Kg/m³

Recommended for users up to 65 kg, or body mass index (BMI) less or equal to 23, and/or preference for smooth mattresses;

- Regular

100% Natural Latex with a density of 80 kg/m³

Normal Blend Latex with a density of 70 Kg/m³

Fire Retardant Latex with a density of 92 Kg/m³

Recommended for users weighing between 65 kg and 80 kg or body mass index (BMI) between 23 and 29 and/or preference for average firmness mattresses;

- Firm

100% Natural Latex with a density of 90 kg/m³

Normal Blend Latex with a density of 80 Kg/m³

Fire Retardant Latex with a density of 105 Kg/m³

Recommended for users over 80 kg or body mass index (BMI) over 29 and/or preference for mattresses with a higher degree of firmness;

18 cm thick inner core with 7 different comfort zones, available in two degrees of firmness in the Tranquility model:

Tranquility, has a thickness of 18 cm, with seven different comfort zones with different densities, for better accommodation of body curvature. It is available in the following degrees of firmness according to the weight, BMI and/or user's preference:

- Soft

100% Natural Latex with an average density of 80 Kg/m³

Normal Blend Latex with an average density of 65 Kg/m³

Recommended for users up to 75 kg, or body mass index (BMI) less or equal to 25, and/or preference for average smooth mattresses;

- Regular

100% Natural Latex with an average density of 90 Kg/m³

Normal Blend Latex with an average density of 70 Kg/m³

Recommended for users over 75 kg, or body mass index (BMI) over 25, and/or preference for mattresses with a higher degree of firmness;

ENCAPSULATED POCKET SPRINGS

Encapsulated pocket springs are used in the core of the Tenderness models. It is an encapsulated pocket spring system in cylinder shaped tempered steel, individually wrapped in highly resistant, non-woven fabric pockets welded by ultrasound. The springs are about 14 cm height, with a polyurethane structure that gives the core a total height of approximately 17 cm.

Pocket springs differ from traditional coil springs due to excellent hygiene levels and independent responsiveness, offering enhanced comfort and adequate support to the body as well as great stability.

The latest step in the evolution of ultra-hygienic coil spring mattresses, available in three levels of firmness according to the weight, BMI and/or user's preference:

- Soft

1.8 mm thick steel wire arranged along the mattress allowing some flexibility – about 250 coil springs/m². Recommended for users up to 65 kg, or body mass index (BMI) less or equal to 23, and/ or preference for smooth mattresses;

- Regular

1.8 mm thick steel wire arranged in a more concentrated way, making the mattress less flexible – about 270 coil springs/m².

Recommended for users weighing between 65 kg and 80 kg or body mass index (BMI) between 23 and 29 and/ or preference for average firmness mattresses;

- Firm

2.0 mm thick steel wire arranged in concentrated way, making the mattress less flexible – about 270 coil springs / m²;

Recommended for users over 80 kg or body mass index (BMI) over 29 and/ or preference for mattresses with a higher degree of firmness;

COMFORT ZONES

MEMORY FOAM

The softest, most adaptable and responsive raw material used in mattresses industry.

The memory foam is a high technology material, with a density of 50 kg/m³, which was developed to allow relief of the pressure exerted on the body when lying on a surface.

Recognizing their unique properties, we use the memory foam in all of our models with the exception of “All I Need”, “Teen” and “Angel”. Allow your body a natural and stress-free rest.

We use the memory foam due to the following main properties:

Viscoelasticity

Its viscoelastic properties allow maximum comfort, achieved by reducing pressure on the skin, keeping it in good condition and permitting good blood circulation. It offers excellent support for the body and

ergonomics. When you lie down on a Persono mattress, on its memory foam surface, you will feel it molding completely to the contours of your body, providing profound sense of lightness that will trigger an extremely restful night;

Excellent body support and ergonomics

It eliminates areas of high pressure intradermally at the points of bony protusion or concentrated weight, (shoulders, shoulder blades, spine and lower back, hips and buttocks), avoiding constant position changes, tingling or numbness of arms and legs, which compromise a good night's sleep;

Softness and durability

When compressed, Memory foam compression yields slowly without exerting pressure, and becomes gentle. When the weight is removed, memory foam returns to its original form without deformation. Tests show that the thickness loss is less than 5% after 75,000 uses;

Due to its characteristics, we recommend using this surface during the winter.

MEMORY FOAM GEL FRESH

This is a variant of memory foam comprised by a thin hydrogel layer, with a density of 1000 kg/m³, injected over Memory foam. This gel, discovered through research into nanotechnology, operates by taking longer to absorb heat and therefore remains cool for a long time, lowering the temperature perceived by 3 to 4°C. This solution is ideal for people who usually suffer from too much heat during the night. We recommend the use of this surface during the summer.

FIRE RETARDANT MEMORY FOAM

The Memory Foam is also available with fire retardant treatment by addition of flame retardant additives and complies with EN 1021-1 and 2.

CLIMALATEX / CLIMALATEX WAVE

It is an evolution of latex, extra smooth, with a density of 59 kg/m³ even smoother, ventilated and extraordinarily comfortable, used in the comfort surfaces. All properties mentioned in latex are reinforced in the production of this raw material that combines durability with ventilation.

CLIMALATEX GRAPHITE / CLIMALATEX WAVE GRAPHITE

The Climalatex Graphite and Climalatex Wave Graphite are an evolution of Climalatex, by adding graphite, fire retardant additive, which allows them to be fireproof and are in accordance with BS 5852 Part 2.

COVER OPTIONS

We offer several options of covers made with velvet or stretch fabrics with a smooth texture, flexible and easy to wash. The texture of the fabric eliminates the need for padding, which we only use with velvets. All covers have Sanitized treatment, which provides antibacterial, antifungal and anti-mite protection, providing maximum comfort and improved hygiene.

All outer covers are washable, according to the washing instructions provided.

All the stretch fabrics and velvets meet the standard Oeko-Tex Standard 100 – Confidence in textiles.

The purpose of the Certificate Oeko-Tex Standard 100 "Confidence in Textiles", is to ensure that consumers have the security that Persono outer covers, are free of chemicals and harmful materials. All velvets and knitted stretch Persono have been approved in these tests.

PADDED VELVET

When deciding which material would be best to cushion the core of your mattress, we embarked on a journey of research and innovation, which was completed when we found the ideal composition - padded velvet.

The Persono velvets Calm Pearl and Eccentric Black are hypoallergenic with silver wire Silverness giving them antibacterial, antifungal and anti-dust mite characteristics, dust repellent and promoter of static electricity discharge. It also has in its composition, Safesleep yarn, which is flame retardant in accordance with BS 7175, Crib 5.

The Turquoise Blue and Red of Roses velvets have Sanitized treatment giving them properties of prevention of allergies, antibacterial, antifungal and anti-dust mite. They also possess characteristics that give freshness and hygienic as well as fireproofing treatment in accordance with EN 597 - part 1 and 2.

All velvets have Aloe vera extract that is added as a final treatment making the fabric extremely soft and hydrated.

The velvet composition varies with its color, so you can see it on the tag attached to the cover.

The velvets are padded with polyester hollow fibers siliconized (250 g/m²), treated flame retardant and satisfy the standard EN 1021-1, 1021-2 and BS EN 5852 Part 2, and stretch mesh with a composition of 50 % cotton and 50% polyester FR treatment according to standard EN 597 part 1 and 2.

PERSONO LUX

Stretch fabric, very soft and extremely pleasant to the touch, due to the Aloe vera treatment. It has Sanitized treatment, giving it properties of prevention of allergies, antibacterial, antifungal and anti-dust mite.

Composition: 40% Viscose, 40% Polyamide, 20% Polyester and weight of 650 g/m².

Main features: Ability to absorb moisture, shiny and nice to the touch.

PERSONO THERMIC

Extremely gentle and pleasant stretch fabric. The THERMIC treatment increases thermal comfort, reducing perspiration and improving quality of sleep. It has Sanitized treatment, giving it properties of prevention of allergies, antibacterial, antifungal and anti-dust mite.

Composition: 40% Viscose, 40% Polyamide, 20% Polyester and weight of 635 g/m².

Main features: Sensation of freshness, ability to absorb moisture, shiny, nice to the touch and resilient.

PERSONO BASIC

Stretch fabric, equally pleasant to the touch, very smooth and ventilated. It has Sanitized treatment, giving it properties of prevention of allergies, antibacterial, antifungal and anti-dust mite. Covers developed with youths and children in mind.

Composition: 38% Cotton, 36% Polyamide, 26% Polyester and weight of 350 g/m².

Main features: Ability to absorb moisture, freshness, hygienic and hypoallergenic.

3D BAND

To complement the features of our Persono Luxury Concept we have inserted on the sides of the mattress a tridimensional band.

INSIDE COVER (non-removable)

Of protection to the core in stretch mesh with a composition of 50% cotton and 50% polyester, with FR treatment in accordance with the Standard EN 597 part 1 and 2.