

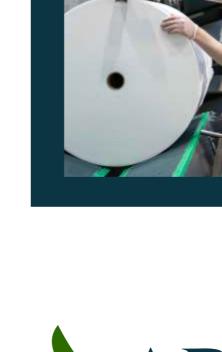
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Kazakhstan, 160 000, Shymkent city, Enbekshinsky district, Zhuldyz microdistrict, territory of the Special Economic Zone "Ontusik" building 336



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**Production** of nonwovens and home textiles in Kazakhstan









# Company ARNATEX

Produces and sells modern high-quality insulation and fillers made of polyester and natural fibers, as well as products made from them, for the light, road, automotive and construction industries throughout Kazakhstan and the CIS countries.

The production potential of the company consists of three main areas: the production and sale of nonwoven and geosynthetic materials, quilted fabrics and bedding.



Is equipped with modern, highperformance and multifunctional equipment and machines designed for the production of a wide range of nonwoven products.

The technological production line is fully automated. Software control maintains technological modes at a given level, guaranteeing stable quality throughout the entire period of production of nonwoven products.

Our processing equipment can process the entire range of raw materials, natural and synthetic fibers of different densities, widths, lengths and compositions. The set of technological equipment of the ARNATEX company has no analogues in Kazakhstan. This makes it possible to obtain high quality products with a diverse set of consumer properties at competitive prices.

Our factory is located on the territory of the special economic zone "Ontustik" and occupies over 2500 m2 of covered and 1400 open area.



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# We offer you ARNATEX products under the following brands:



**POLYFIBER** ® *(Synthetic winterizer)* 



**TEKSOLITE** ® (Tinsulate)



**TEXOLUXE®** 

*Comfort (medium hardness)* Soft (soft)



**Composition of raw materials:** Recycled and virgin polyester fiber 100%, thickness from 7D to 15D

**Recommendations for use:** For all types of outerwear, overalls for the oil and gas, transport, military, construction and other industries, furniture fittings, also for filling blankets, pillows and sleeping bags.

Special advantages: Light weight, reliable protection from the cold, heat retaining and not absorbing moisture, dry quickly, the original structure is quickly restored after washing, does not absorb foreign odors, does not deform or shrink, hypoallergenic material, does not require protection when contacting.





**TEXOFIBER®** 



**HOLLOWFIBER** (Syntheshar)



A blanket (ARU)



**Pillows** (ZERE)



**FLUFFIBER** 

(Sintepuh)

**Bed sheets** (JANIYA)





# **Sintepon POLYFIBER®**





Finish, protective properties: With/without calendering. Packing 1 roll: from 5 to 25 kg. (from 10 to 100 meters). Thermal resistance of one layer of material under natural convection conditions: from 0.25 to 0.45 m2 C/W. **Resistant to repeated compression:** not less than 72.5% Change in linear dimensions after locking or dry cleaning: 2.5%, no more Type of permitted cleaning and drying: All permitted, applicable to overalls, blankets and pillows (including tumble washing and drying) Allowed maximum cleaning temperature: Depending on the recommendations of the manufacturers of the upper/lining fabrics used Hygienic and environmental safety: EAEU Declaration of Conformity KZ 5110317.13.1200226 **Static:** no more than 10 X7 ohm **Bleach resistance:** PCE resistant **Production time, waiting for products:** on request Packing, preparation for transportation: two-layer, polyethylene, vacuum Additional cutting field in a roll, cm: Width: +1-2%, length in a roll: +50 cm. Guaranteed shelf life: 12 months.

**Operating instructions:** It is not allowed to touch the surface of the fiber with sharp and hard objects, it is not allowed to expose the fabric to aggressive liquids (acids and alkalis), before using the fabric, it must be kept in climatic conditions of 25 ° C for at least 24 hours in a free state, without packaging. The maximum temperature for shortterm operation of the canvas is not more than 90 °C. Store in a dry, clean, wellventilated place away from direct sunlight.

**Color:** white, black and grey, mix



*Comfort (medium hardness)* Optimum (optimum) UltraSoft (ultra soft)

Composition of raw materials: Virgin polyester fiber 100%, thickness 3D to 7D. high-tech synthetic thermal insulation material developed from ultra-fine microfibers. Material is made from polyester microfibers that do not absorb moisture. **Recommendations for use:** For all types of outerwear, special-purpose products and accessories (hats, gloves and haberdashery). For the production of special and uniform (special uniforms) clothing for professionals. Insulation for outer children's, model and urban clothing, as well as sewing sleeping bags for tourism. Recommended for functional outerwear and accessories, as well as products for extremely cold climates. Special advantages: Minimal volume with maximum thermal protection, reliable protection from the cold: the use of microfibers provides maximum thermal protection with minimal volume, the body breathes even with intense exertion, provides comfort and freedom of movement. because in its production, environmentally friendly raw materials are used, it complies with sanitary-epidemiological and hygienic requirements, and does not cause allergies.





### **TEXOLITE®**





*Clothing with TEXOLITE*® *insulation retains heat reliably and for a long time,* provides comfort and freedom of movement, with a minimum volume it is very light and warm. even with intense loads.

Finish, protective properties: With/without calendering. Packing 1 roll: from 5 to 25 kg. (from 10 to 100 meters). Thermal resistance of one layer of material under natural convection conditions: from 0.25 to 0.45 m2 C/W. **Resistant to repeated compression:** not less than 73.6% Change in linear dimensions after locking or dry cleaning: 2.5%, no more Allowed maximum cleaning temperature: Depending on the recommendations of the manufacturers of the upper/lining fabrics used Hygienic and environmental safety: EAEU Declaration of Conformity KZ

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Static: no more than 10 X7 ohm

**Bleach resistance:** PCE resistant

**Combustibility:** does not spread flame

Production time, waiting for products: on request

Packing, preparation for transportation: two-layer, polyethylene, vacuum Additional cutting field in a roll, cm: Width: +1-2%, length in a roll: +50 cm. **Guaranteed shelf life:** 12 months.

**Operating instructions:** It is not allowed to touch the surface of the fiber with sharp and hard objects, it is not allowed to expose the fabric to aggressive liquids (acids and alkalis), before using the fabric, it must be kept in climatic conditions of 25 ° C for at least 24 hours in a free state, without packaging. The maximum temperature for shortterm operation of the canvas is not more than 90 °C. Store in a dry, clean, wellventilated place away from direct sunlight.

**Color:** white, mix



*Camel (from camel hair)* Merino (from merino wool) Safe (with flame retardant fiber)

Composition of raw materials: High-quality primary ultra-fine polyester fiber from 1.5D to 3D, made from fine-fleeced merino (sheep) and camel wool, as well as flameretardant microfibers.

**Recommendations for use:** For all types of outerwear and special products, to protect against thermal risks. For use in winter equipment, military, fire, sports and tourist clothing and accessories. For bedding (pillows, blankets and duvets). They are ideal for premium bedding. They have all the advantages of natural wool fillers and the unique properties of high-tech microfiber materials. Special Benefits: The material has all the benefits of virgin wool insulation combined with the unique properties of high-tech microfiber materials. Provides high thermal protection, is lightweight, effective breathability, softness and volume of the material. Material does not absorb moisture, for extremely cold climates





### **TEXOLUXE®**





Increased thermal protection and comfort of fillers are combined with softness and hygienic properties, as well as the possibility of washing at a temperature of 30°C.

**Finish, protective properties:** With/without calendering. Packing 1 roll: from 5 to 25 kg. (from 10 to 100 meters). Thermal resistance of one layer of material under natural convection conditions: from 0.25 to 0.45 m2 C/W. **Resistant to repeated compression:** not less than 72.7% Change in linear dimensions after locking or dry cleaning: 2.5%, no more Allowed maximum cleaning temperature: Depending on the recommendations of the manufacturers of the upper/lining fabrics used Hygienic and environmental safety: EAEU Declaration of Conformity KZ 5110317.13.1200226 Static: no more than 10 X7 ohm

**Bleach resistance:** PCE resistant

**Production time, waiting for products:** on request

Packing, preparation for transportation: two-layer, polyethylene, vacuum Additional cutting field in a roll, cm: Width: +1-2%, length in a roll: +50 cm. **Guaranteed shelf life:** 12 months.

**Operating instructions:** It is not allowed to touch the surface of the fiber with sharp and hard objects, it is not allowed to expose the fabric to aggressive liquids (acids and alkalis), before using the fabric, it must be kept in climatic conditions of 25 ° C for at least 24 hours in a free state, without packaging. The maximum temperature for shortterm operation of the canvas is not more than 90 °C. Store in a dry, clean, wellventilated place away from direct sunlight.

**Color:** white, mix



Geotex Filtex **Promtex** 

# **Recommendations for use:**

*Geotex* - for road construction works, geotextiles for garden and field work. *Promtex* - for noise insulation in the automotive and other industries, lining for carpets, as well as for the production of orthopedic mattresses and upholstered furniture. *Filtex* - for the production of filters and respirators. Special Advantages: Provides noise insulation, heat protection, while maintaining light weight, effective breathability, wear resistance, rot-proof.





### **TEXOFIBER**®

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Composition of raw materials: Virgin polyester fiber 100% thickness from 3D to 7D





Packing 1 roll: from 5 to 25 kg. (from 10 to 100 meters) Thermal resistance of one layer of material under natural convection conditions, m2 C/W: from 0.25 to 0.45 **Resistant to repeated compression:** 70.9% not less Change in linear dimensions after locking or dry cleaning, 2.5%, no more Tensile strength, 100-400N **Cleaning Restrictions:** No Restrictions Hygienic and environmental safety: EAEU Declaration of Conformity KZ 5110317.13.1200226 **Bleach resistance:** PCE resistant **Toxicity:** Non-toxic Production time, waiting for products: On request Packing, preparation for transportation: polyethylene, vacuum **Hygroscopicity:** Not more than 1% **Color:** White, black, mix



*Optimum (medium hardness)* Soft (soft)

**Composition of raw materials:** Recycled and virgin siliconized polyester fiber 100% thickness from 7D to 15D **Recommendations for use:** Filler for all types of clothes, pillows, soft toys and furniture fittings

**Special advantages:** Light weight, elasticity, reliable protection from the cold, heat retained and not absorbing moisture, dry quickly, the original structure is quickly restored after washing, do not absorb foreign odors, do not deform and do not shrink, hypoallergenic material, does not require protection when contact. High recoverability - in case of any deformation, the material quickly returns to normal due to fluffy conjugate fibers (fibers in the form of a spring)





# **HOLLOWFIBER**





Packing 1 bag: from 10 to 25 kg.

Thermal resistance of one layer of material under natural convection conditions, m2 C/W: from 0.25 to 0.45.

**Resistant to repeated compression**, 80% not less

**Cleaning Restrictions:** No Restrictions

**Bleach resistance:** PCE resistant

**Toxicity:** Non-toxic

Production time, waiting for products: On request

Packing, preparation for transport: Polyethylene film

Hygroscopicity, no more than 1%

Warranty period of storage, 12 months

**Operating instructions:** It is not allowed to touch the surface of the material with sharp and hard objects, it is not allowed to expose the material to aggressive liquids (acids and alkalis), before use, the material must be kept in climatic conditions of 25  $^{\circ}$ C for at least 24 hours in a free state, without packaging. The maximum temperature of short-term operation of the filler is not more than 90 °C. Store in a dry, clean, wellventilated place away from direct sunlight. **Color:** white



Optimum (medium hardness) UltraSoft (very soft)

Composition of raw materials: Virgin polyester fiber 100% from 3D to 7D, synthetic swan down from 1.5D **Recommendations for use:** Filler for all types of clothes, pillows, soft toys and furniture fittings **Special advantages:** The filling combines softness and elasticity, like natural down. It is absolutely hypoallergenic, is not afraid of moisture and is not susceptible to the formation of fungus, complies with sanitary-epidemiological and hygienic requirements, and does not cause allergies. Amazing softness and airiness, giving a

pronounced effect of "drowning"

### **Manufacturability**

Synthetic substitute for natural down A light weight Reliable protection against cold Minimum volume with maximum thermal protection Unique heat exchange system



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## **FLUFFIBER**





Packing 1 bag: From 10 to 25 kg.

Thermal resistance of one layer of material under natural convection conditions, m2 C/W: from 0.25 to 0.45 **Resistance to repeated compression**, %: not less than 80 Change in linear dimensions after locking or dry cleaning, % no more: 2.5 **Cleaning Restrictions:** No Restrictions **Bleach resistance:** PCE resistant **Toxicity:** Non-toxic Production time, waiting for products: On request Packing, preparation for transportation: polyethylene **Hygroscopicity**, %: Not more than 1% Warranty period of storage, months: 12

**Operating instructions:** It is not allowed to touch the surface of the material with sharp and hard objects, it is not allowed to expose the material to aggressive liquids (acids and alkalis), before use, the material must be kept in climatic conditions of 25  $^{\circ}$ C for at least 24 hours in a free state, without packaging. The maximum temperature for short-term operation of the canvas is not more than 90 °C. Store in a dry, clean, well-ventilated place away from direct sunlight. **Color:** white



The above data on the properties, qualities and performance characteristics of ARNATEX LLP heaters are for informational purposes for manufacturers of protective insulated overalls, uniforms and bedding. The final results in relation to ready-made sets of clothing according to the standards of your Company can be obtained based on the results of comprehensive studies of the relevant clothing samples in the climatic zones specified in the Terms of Reference. The data may have deviations up or down depending on the other materials finally approved by the clothing manufacturer for the use (top fabric, lining, wind protection, membrane, etc.); I can also influence the features of tailoring products and design solutions.

The recommended density of heaters of ARNATEX LLP for use in winter equipment is below the following table:

Climatic atmospheric temperature and air humidity from 60 to 100%		Recommended insulation density, g/m2
1 and 2 climatic zone - 1 class of protection.	from 8°C to 0°C 70 or 100 g/m2	from -0°C to -10°C 100 or 150 g/m2
3 climatic zone - 2 class of protection.	from -10°C to -18°C	150 g/m2 200 gr./m2
4th climatic zone - 3rd class of protection.	from -18°C to -25°C from -25°C to -35°C	200 or 250 g/m2 300 g/m2
Special climatic zone - 4th class of protection.	from -35°C to -45°C	300 or 350 g/m2

Bedding: ARU duvets, ZERE pillows and JANIYA bedding is a new quality for your healthy sleep. The high level of requirements of the modern buyer for accessories for recreation has prompted the creation of a new high-tech filler with powerful antibacterial protection.







## **ARU blanket**

#### The following materials are used as the top layer for bed blankets:

100% cotton; cotton and linen materials: teak, twill, cambric, satin, satin jacquard; 80% cotton + 20% polyester; silk; combination of silk and cotton; rarely artificial materials such as fleece.

The fabric is selected depending on the filler. The following fillers are used: wool - merino, camel, cashmere;

cotton - cotton wool of various density;

synthetic materials: holofiber, synthetic winterizer, tinsulate (simulator of swan's down), viscose;

It should be noted that almost all fillers are hypoallergenic (except for wool and down), light and breathable.



As a filler, an artificial material is used - synthetic winterizer. It is recommended to use in the winter time... Low hygroscopicity. Do not accumulate static electricity. With proper use and care, a thing can last up to 20 years.

Natural wool is an environmentally friendly product that has a positive effect on human health.

They promote air circulation, the body has the opportunity to breathe, and the formation of the greenhouse effect is prevented. Products made from natural materials are wear-resistant and durable. Body temperature is kept relatively constant under the wool product, which allows it to be used at any time of the year. Healing effect: improves blood circulation and metabolism.

#### **Classification of blankets by size:**

One and a half standard 1 - 145x205 cm; One and a half standard 2 - 150x220 cm; Double - 175x205 cm; Double, old standard - 170x210 cm; Euro standard - 200x220 cm; Royal standard - *220x240 cm*; Baby for the crib - 90x120 cm;

### The warming properties of blankets on the packages are displayed as dots, the warmer the product, the more of them: overy warm - 5; warm - 4; semi-warm (demi-seasonal) - 3; lung - 2; very light - 1 point.

#### **Density:**

150-220g/sqm is a low weight that indicates a lightweight duvet, suitable for hot summer or warm spring/autumn. 280-300gsm are duvets that are suitable for all seasons except warm summer nights. 420 g/sqm are the warmest blankets for cold winters days







## **ZERE** pillows

Cushion cover fabric - Microfiber (polyester), Teak (cotton 100%), Natural Linen, Satin.

#### **Types of materials:**

Satin is a dense, but at the same time soft to the touch and light material made on the basis of natural cotton.

Jacquard is a fabric that includes natural and synthetic fibers. The positive properties of the material include elasticity, breathability, it is easy to use.

Batiste is a light and thin fabric that holds its shape well. Consists of linen, cotton or synthetic fibers.

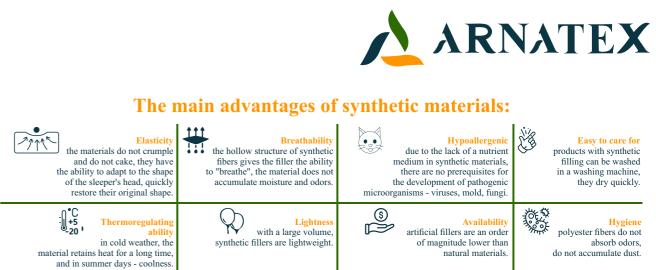
Percale is a cotton fabric with excellent wear resistance.

Teak is a fabric made from natural cotton, wear-resistant and dense, characterized by the best down-retaining properties.

The composition of the fillers includes from 0% to 100% natural fibers (the amount depends on the manufacturer and type of pillow), as well as artificial siliconized fibers that fully possess the properties of the corresponding natural filler.

Artificial fillers have additional advantages compared to natural ones: they are hypoallergenic, not prone to problems associated with organic matter, and durable.





#### **Benefits of Camel Hair Pillows**

Camel wool is a unique filler that is able to keep warm in winter and give the desired coolness in summer. Its value is not only in naturalness, but also in the fact that wool is collected once every few years. A distinctive advantage of camel wool pillows lies in heat-shielding properties, lightness and high hygroscopicity. Such products are not afraid of deformation and quickly return to their original shape after being crushed. Camel wool is very strong, but almost twice as light as sheep. It does not electrify, relieves static stress well, relieves stress and helps to improve the energy background.

#### **Healing properties**

This filler is rich in natural animal wax - lanolin, which has healing and antibacterial properties. That is why such pillows are also recommended for preventive and therapeutic purposes for many diseases of the joints and spine. The warming effect of the filler contributes to the expansion of blood vessels, which guarantees the supply of a large amount of oxygen to human organs and tissues. Camel wool pillows must pass quality control and several stages of dermatological testing.

### **Positive qualities of natural materials:**

light weight; ecological cleanliness; ability to absorb moisture; low thermal conductivity; healing properties.

### **Standard bedding sizes for sleeping:**

rectangular pillow - 50x70 cm; square pillow - 70x70 cm; children's - 40x60 cm.





# **JANIYA bed linen**

**Bedding** is an important attribute of a comfortable sleep, making the bed cozy, pleasant to the touch and beautiful, protecting the mattress, pillows and blankets from scuffs and dirt. Usually it is a set of quality fabrics, including a sheet, 2 pillowcases, 1 or 2 duvet covers.

Modern bedding is made from a variety of fabrics, from classic silk, cotton and linen to the latest and increasingly popular bamboo and tencel (eucalyptus fibre).

Sets of the proposed materials have their own advantages, indicators of hygroscopicity, strength and smoothness, can warm or cool, have a positive effect on the skin and heal.



### **Materials**

Modern bedding is sewn from various materials. The choice of the optimal option is carried out on the basis of key factors - seasonality, destination and cost. Fabrics for tailoring products are divided into three categories: natural, synthetic and blended.

Cotton materials

They differ in fiber thickness and weaving method.

#### **Coarse calico**

A popular type of cotton fabric used to make home textiles. Due to the dense weaving of the threads, the coarse calico turns out to be rough to the touch. It has a smooth and shiny surface. Suitable for sewing adult sets. It is unpretentious in leaving, maintains repeated washings in the automatic machine. Linen made of cotton calico does not wrinkle and does not lose color brightness even after prolonged use.

#### Satin

It is made from cotton fibers with a special weave. Thanks to this, satin acquires an attractive glossy sheen and a silky surface. The underside of the material has some roughness. The dense weaving of the threads prevents color fading, deformation and shrinkage of the material during frequent washing. Satin sets can withstand up to 300 washes in the washing machine. Chintz

Lightweight and cheap cotton fabric used for making linen. The special weaving of the threads provides additional friability to the material, so it is breathable and pleasant to the touch.

Of great importance is the method of decorative finishing, due to which the products become soft, dense, hard, matte or glossy. Chintz products are suitable for daily use. **Cotton Batiste** 

Made from cotton raw materials, it has a thin and transparent structure. Differs in hypoallergenicity, environmental friendliness and fast absorption of moisture. Such material is used for tailoring expensive sets with lace decorative stitching and embroidery. The only drawback is that it wears out quickly after 60-80 washes.









#### **Poplin**

Another common type of cotton fabric from which kits are sewn for everyday use. A distinctive feature of poplin is that when weaving the fabric, two types of threads are used - longitudinal and weft.

They form a special pattern, thanks to which poplin is dense and stuffed. Visually, it is similar to cotton calico. Poplin is characterized by increased density, softness and light sheen.

#### Percale

High-density, hard-wearing fabric made from long-staple cotton. Cotton threads are coated with a protective adhesive that gives the fabric strength and smoothness. Linen made of percale is wear-resistant, soft, durable and has a velvety surface. The material is breathable and hypoallergenic. It retains heat well, unpretentious in care. **Knitwear** 

Knitted fabric is obtained by special knitting of threads interconnected by loops threaded into each other. It is made from 100% cotton for softness, strength and durability.

Knitted products are elastic and stretchable, they do not shrink when washed and dried. The special knitted structure of the material is hygroscopic and resistant to caking.

Depending on the size, bed linen can be single, one-and-a-half, double and euro. You need to choose it in accordance with the size of the mattress, blanket and pillows.

#### **Dimensions**

*One and a half*: duvet cover -  $210/220 \times 140/160$  cm, sheet  $220/265 \times 145/185$  cm. *Double standard:* duvet cover -  $210/220 \times 170/200$  cm, sheet -  $210/265 \times 170/245$  cm. *Double non-standard:* duvet cover - 210/225 × 185/205 cm, sheet - 190/195 × 220 cm. *Euro*: duvet cover -  $200/225 \times 220/245$  cm, sheet -  $220/240 \times 245/285$  cm. *Maxi:* duvet cover - 215/220×240/245 cm, sheet - 220/245×240/285 cm. *Family:* 2 duvet covers -  $145/150 \times 210/215$  cm, sheet -  $220/245 \times 245/285$  cm. Children's sets have the following dimensional grid: Sets for newborns and children up to 3 years old: duvet cover - 145 × 115 cm, sheet -

 $150 \times 100/110$  cm, pillowcase -  $40 \times 60/70$  cm. Suitable for cots. One and a half children's sets: duvet cover -  $210/215 \times 145$  cm, sheet -  $215/225 \times 145$ cm.

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## **CERTIFICATES**

#### ЗРАЗНЁСКИЙ ЭКОНОМИЧЕСКИЙ СОЮ ДЕКЛАРАЦИИ О СООТВЕТСТВИИ

#### ЕВРАЗИЙСКИЙ ЖОВОМИЧЕСКИ ДЕКЛАРАЦИЯ О СООТВЕТСТВ



