

The perfect solution to letting your skin breathe

HEMP

Cannabis, sisal, flax, wild hemp, industrial hemp, and etc. are the earliest natural fibers used in fabrics.



TYPES OF CANNABIS?













Sativa (cannabis) and Indica (Indian hemp) are two common cannabis classifications.

The main difference lies in the different contents of tetrahydrocannabinol (THC) and cannabidiol (CBD)

Cannabis: CBD content > 20%, THC < 0.3%, a large number of CBD can hinder the influence of THC on nervous system. It also has anti-spasm, anti-anxiety, anti-depression abilities and other pharmacology aspects.

Indian hemp: CBD content < 10% THC>15-20% has a strong effect on the central nervous system and can cause easy hallucinations.

大麻种类
TYPES OF CANNABIS
USES AND PROPERTIES

| 大麻 SATIVA | 印度大麻 INDICA |
|---|---|
|  <p>SKINNY LIGHT GREEN LEAVES 叶更细薄 TALL SLIM PLANTS 株型更高 GROWS IN NORTHERN AREAS 生长在北部地区</p> |  <p>SHORT BUSHY PLANTS 株型更矮 BROAD DARK GREEN LEAVES 叶更厚实 GROWS IN SOUTHERN AREAS 生长在南部地区</p> |
|  <p>MIND ENERGIZING 增强活力</p> |  <p>MIND RELAXING 放松心情</p> |
|  <p>DAYTIME USE 白天适用</p> |  <p>NIGHT TIME USE 夜晚适用</p> |
|  <p>ENERGETIC 活力</p> |  <p>SEDATIVE 镇静剂</p> |
|  <p>FIGHTS DEPRESSION 对抗抑郁</p> |  <p>PAIN RELIEF 缓解疼痛</p> |
|  <p>ENHANCES CREATIVITY 增强创造力</p> |  <p>STIMULATES APPETITE 刺激食欲</p> |
| HIGH CBD LEVELS CBD含量高 | HIGH THC LEVELS THC含量高 |



RAMIE



HEMP



LINEN

Distinction

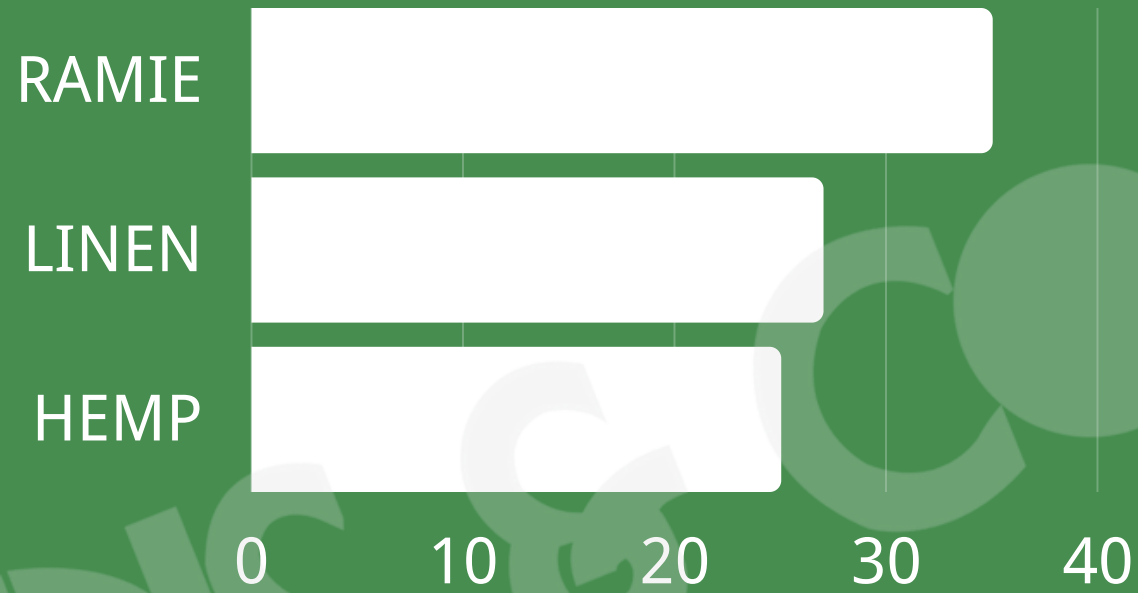
- Compared with ramie-flax fiber, hemp fiber has a larger cavity in the center of fiber, which often accounts for 1/3-1/2 of the volume of fiber cells. It can fill a large amount of capillary condensate water, which makes hemp fiber absorb larger quantities more quickly.
- The cracks and holes on the surface of hemp fiber are beneficial to moisture dissipation. Therefore, hemp fabric has excellent moisture absorption and air permeability.
- As a brand-new textile material, hemp has good functionality, strong antibacterial property and ultraviolet resistance. It does not need pesticides in the growth process, which is more in line with the requirements of environmental protection and sustainable development.



HEMP Fiber

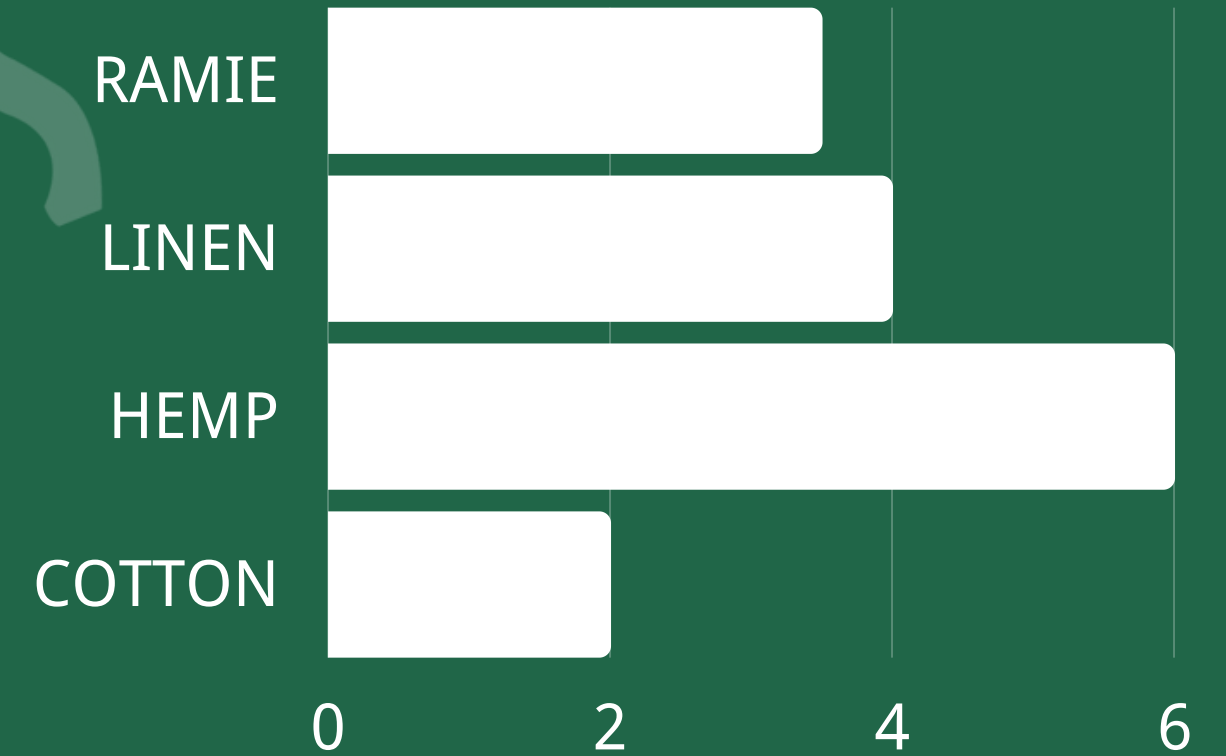
HEMP fiber properties

Unit: um

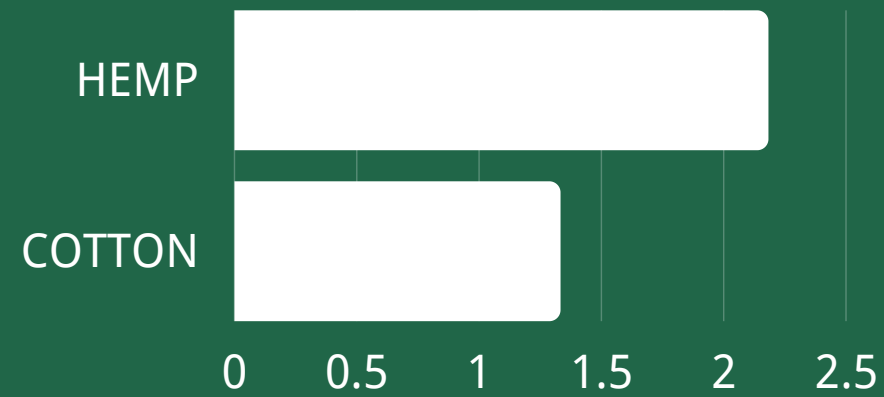


Fiber fineness: fine and soft

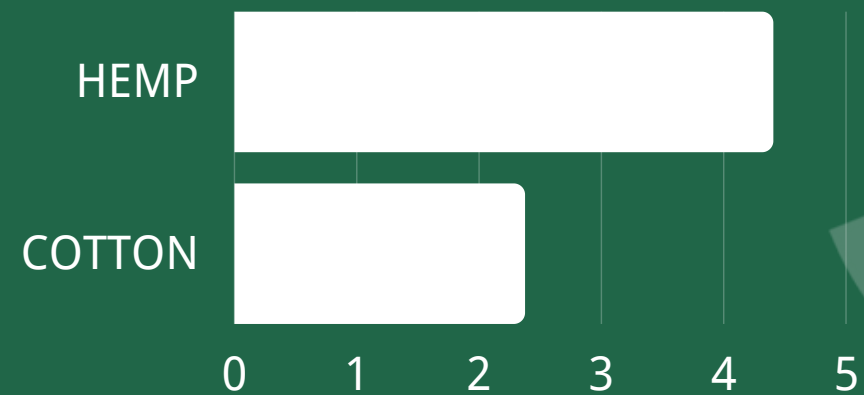
Unit: cn/dtex



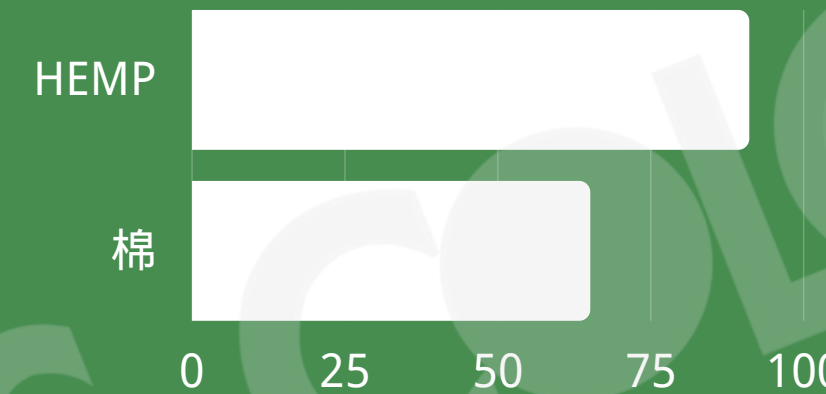
Fiber strength: high strength



Unit: mg/min
Moisture absorption rate is higher than cotton

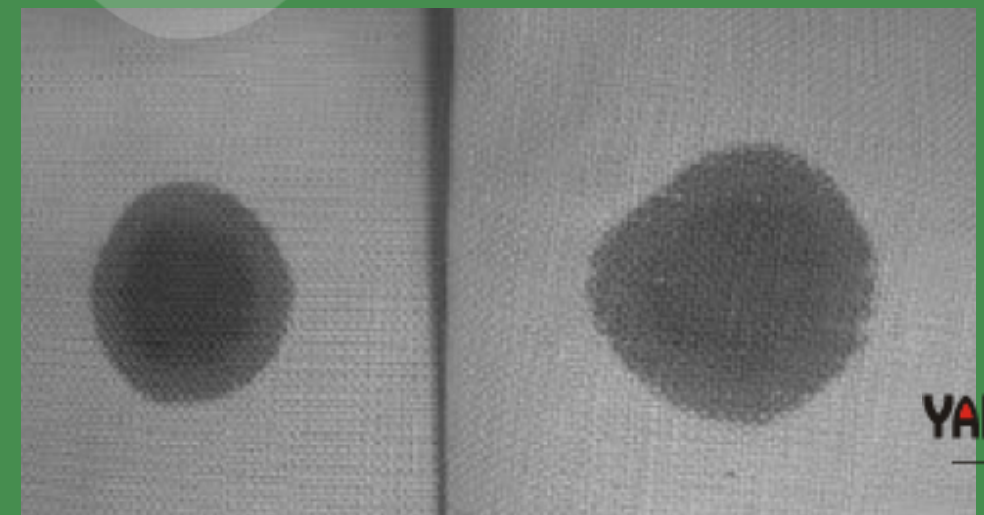


Unit: mg/min
Wetting rate exceed cotton



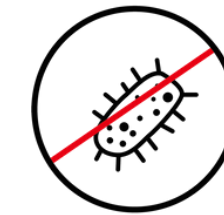
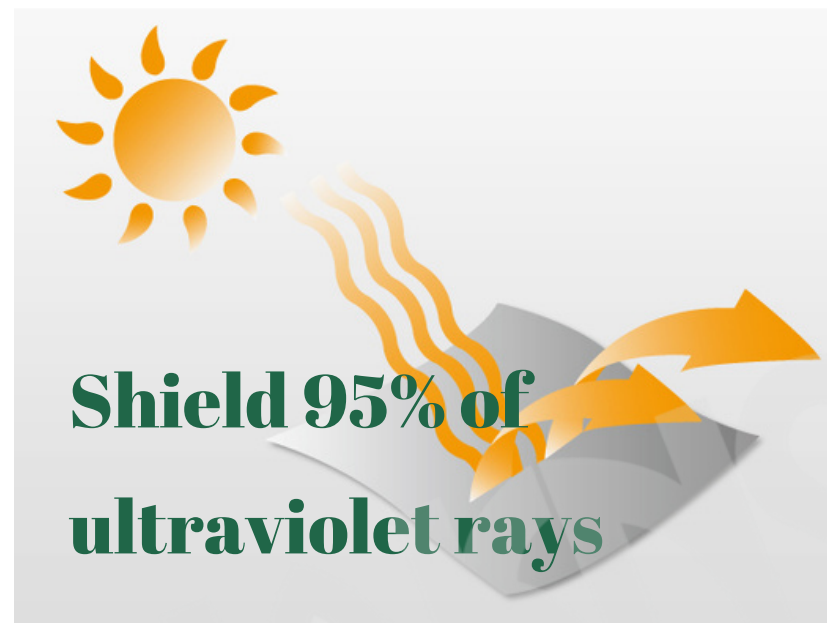
Wicking: refers to the rapid absorption and diffusion of human sweat

COTTON

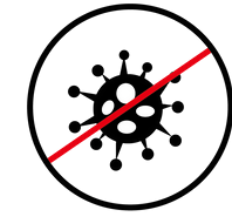


HEMP

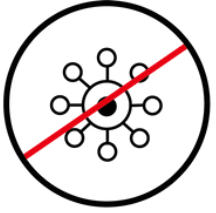
HEMP fiber properties



大肠杆菌
Escherichia coli



金黄色葡萄球菌
Staphylococcus aureus



白色念珠菌
Candida albicans

Anti-UV

The structure of hemp fiber is spiral and rhombic, and its cross section is loose. When ultraviolet rays are irradiated, a part of the refraction formed by multilayer is absorbed, and most of them form diffuse reflection. It can shield 95% of ultraviolet rays.

Benefits

- Good heat resistance, can withstand high temperature of 370°C;
- Good sun resistance;
- Good seawater corrosion resistance;
- It is especially suitable for sun protection clothing, overalls with special needs, car seat cushions, decorative fabrics, etc.

Antistatic

- Dry hemp fiber is a good insulating material. Its electrical breakdown resistance is about 30% higher than cotton fiber.
- The moisture absorption of hemp fiber is particularly good. The moisture content of hemp textiles exposed to the air is generally about 12%. When the air humidity reaches 95%, the moisture content reaches 30%, which can prevent electrostatic accumulation and pilling and dust adsorption due to friction.

Antibacterial

- Fiber hemp contains trace cannabidiol and many trace elements beneficial to human health. It is a very good disinfectant. Hollow hemp fiber is rich in oxygen, which makes it difficult for anaerobic bacteria to survive.
- It can inhibit Staphylococcus aureus, Escherichia coli and Candida albicans. At the same time, it can kill and inhibit Penicillium and Aspergillus.

Harvested three times a year
It's sustainable for life

Soft and comfortable
The softest fiber in hemp

Antibacterial health care
Strong inhibition of 7 major fungi
Mildew proof health care

Clear and cool
Excellent moisture absorption and
breathability
Discharged sweat quickly

Ultraviolet protection
Shielding over 95% ultraviolet rays

Green environmental protection
Planting without chemical fertilizer
Does not contain artificial chemical
components

Heat and sun resistance
Resistant to high temperature at 370°C
without changing color
Carbonization only at 1000°C

Prevent static electricity
Absorb static electricity
without pilling



HEMP Features

48-HEMP/C8577-1

1/4.8NM 100%HEMP

Characteristics of raw materials:

- 1.The large cavity in the center of the HEMP fiber allows a large amount of capillary condensed water to fill. This gives it excellent moisture absorption properties, great ventilation performance for ultraviolet resistance, heat resistance, corrosion resistance, and is antistatic.
- 2.HEMP contains traces of cannabinal and has a natural antibacterial function. It can inhibit Staphylococcus aureus, Pseudomonas aeruginosa, Escherichia coli and Candida albicans and at the same time it can kill and inhibit Penicillium and Aspergillus.

Fabric features:

- 1.A plethora of spun yarns are combined to improve the utilization rate of HEMP fiber. This allows it to improve the shape retention and wrinkle resistance of the fabric to maintain its functionality and comfort.
2. It is a green and sustainable product that emphasizes its dry, light, breathable, and well-hung aspects.

Product use:

Suitable for making knitted clothes such as casual sports coats, dresses, hand-knitted underwear and trousers.

