

# abacell.

Light Weight  High Durability   
Toughness  No Fluff   
High Wicking  High Absorbency   
High Breathability  Cool-Feeling   
Anti Bacterial  Odor Resistant   
UV Resistant  Bio-Degradable 

# What is abacell.



Normally, paper breaks down when wet but “Abacell-Manila Hemp Paper Yarn” defies this typical understanding. Utilizing traditional Japanese Washi paper techniques and over 60 years of paper making experiences we present to you our new innovation-Abacell, bridging the gap between the paper and textile industries. Abacell combines both benefits from Abaca and Washi paper.

The main material is called “Abacá”, also known as Manila Hemp, is a species of banana that is grown in the Philippines, Ecuador, and Costa Rica as an industrial crop. Abaca is a very strong fiber extracted from the leaf sheath that is around the trunk of the abaca plant. Abaca plant grows by seeds, and farmers can harvest every 3 to 8 months after an initial growth period of 12 - 25 months. Abaca can thrive without the use of pesticides and insecticides, planting abaca also minimizes erosion and other sedimentation issues in coastal areas.

## Philosophy



“Return to Nature” and “Environmental Sustainability” - no longer just a vision but our reality. With the increasing stresses of our modern life and the continued depletion of our earth’s resources, we now yearn to be closer to mother nature, seeking out a eco-friendly lifestyle.

As we become accountable of our role in reversing the effects of pollution and global warming, it is with this sense of duty we offer you a sustainable solution in the modern textile industry that is environmentally friendly and 100% biodegradable.

# Making abacell.



## 1. Abaca Cultivation

An initial growth period of 12-25 months, and can be harvested every 3-8 months. May be cultivated without pesticides and insecticides.



## 2. Abaca Harvest

Through the process of tuxying, stripping, and drying, we finally obtain the unique abaca fiber.



## 3. Abaca Pulp

The Abaca fiber is pressed, baled up and sent to pulp manufacturers to make 100% Abaca pulp.



## 4. Paper Making

Over 60 years of paper manufacturing experience with Certified by ISO 90001.



## 5. Paper Slitting

Slit paper into fine thin paper tape.



## 6. Paper Twisting

Twisting fine thin paper tape into thinner and stronger paper yarn.

# Application



## Facial Cleansing Towel

- Massaging the skin and removing excess sebum, leaving your skin feeling soft and supple.
- Fast drying with superior antibacterial and anti-odor properties.



## Sports Towel

- Non-sticky to the skin high absorbency and wicking.
- Light weight, fast drying, perfect for traveling or exercising.



## Sports Socks

- Highly breathable material with its superior anti-bacterial properties keeping the feet feeling refreshed and clean.
- Anti-bacterial and anti-odor effect continue even after wash.

# Feature



## Light Weight

Light as plume, only 1/3 of cotton's weight.



## High Wicking

Keep dry and feeling comfortable.



## High Absorbency

Absorb excess moisture from skin quickly.



## High Durability

Used to make ropes and fish nets.



## Toughness

As tough as linen.



## Odor Resistant

Naturally odor control.



## High Breathability

Hollow fiber structure, able to adjust moisture and temperature.



## Cool-Feeling

Porous fiber of Abaca and hollow structure of the Abacell.



## Anti Bacterial

Remain natural antibacterial even after washes.



## No Fluff

With no fluff or cotton dust, this may be a great option for people with allergies or sensitivities.



## UV Resistant

With Manila hemp's structure and the weaving method, it effectively cuts 97% UV.



## Bio-Degradable

Abacell is environmentally friendly and bio-degradable.

