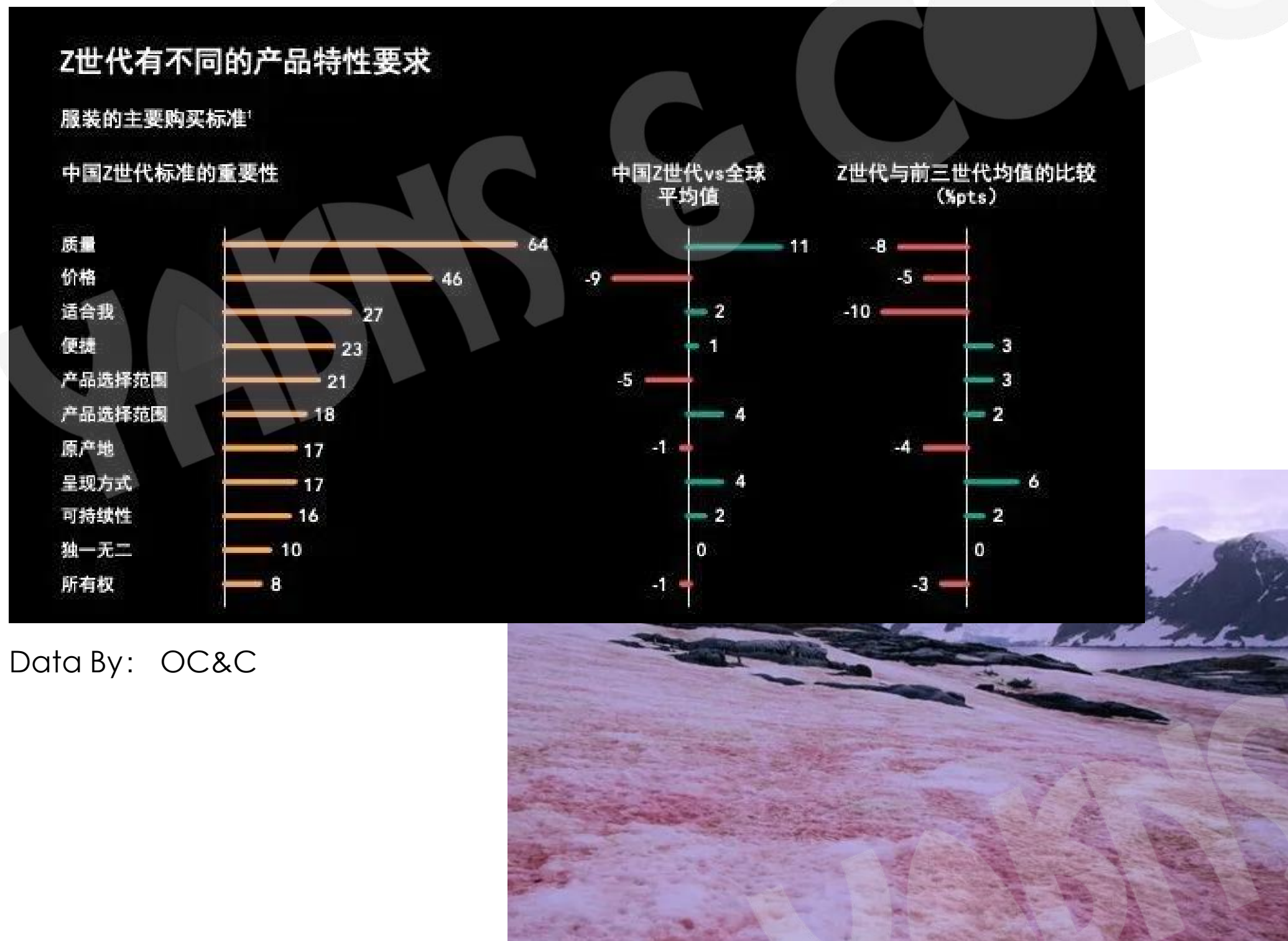


YARNNS & COLOBS
SORONA PRODUCTS

Sustainability is becoming fashionable

Environmental protection and sustainable fashion



According to the data report of OC&C, consumers in Z era pay more attention to "quality-price ratio", "experience" and social responsibility.

As the second largest polluting industry after oil, the clothing and textile industry accounts for a high proportion of wastewater (20%) and carbon emissions (10%). YARNS & COLORS has launched SORONA environmental protection products, which makes the concept of "environmental protection and sustainable fashion" imperative in the clothing industry.

SORONA bio-based fiber technology

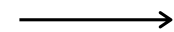
Traditional petrochemical fiber process using petroleum



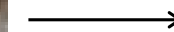
Petroleum Resources



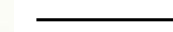
Petrochemical Technology



Polyester/Spandex/Nylon 6



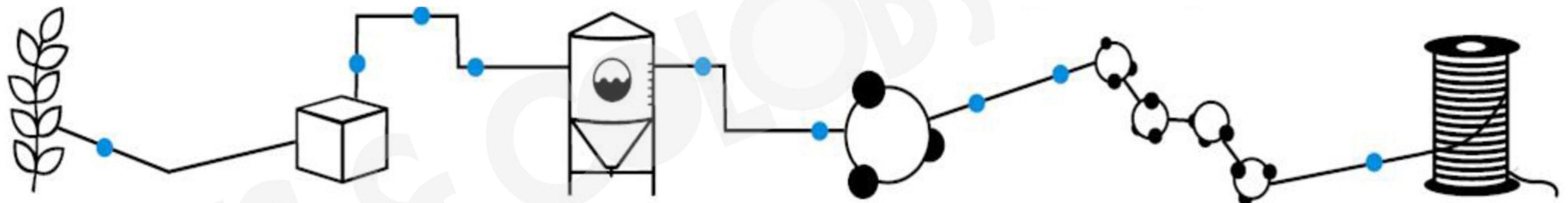
Yarn



Fabric

SORONA raw materials from plant renewable sources

Dupont Sorona produces 1,3- propanediol (PDO) which meets the production requirements of Sorona(PTT) polymer through plant sugar fermentation.



Crops

extracting sugar or glucose from sugar

containing crops

adding microbial catalyst to glucose

replacing chemical synthesis by fermentation process-adding PTA -to bio-based PDO

making SORONA fiber

SORONA promotes sustainable development

SORONA

Nylon6

SORONA's core raw materials are plant-based renewable raw materials that can grow repeatedly every year.

37%

Raw materials are taken from renewable resources (by weight)

0%

Raw materials are taken from renewable resources (by weight)

Compared with nylon 6, the energy consumption can be reduced by 30% by producing the same amount of SORONA materials.

83.8

Consumption of MJ/ kg non-renewable energy

120.5

Consumption of MJ/ kg non-renewable energy

Compared with nylon 6, producing the same amount of SORONA material can reduce greenhouse gas emissions by 63%.

3.38

Kg CO2 equivalent/kg

9.1

Kg CO2 equivalent/kg

Environmental/safety certification of SORONA material



SORONA renewable fiber is one of the first batch of 11 kinds of synthetic biomass materials approved by USDA.



SORONA has passed the certification of the Japan Biomass Plastics Association.



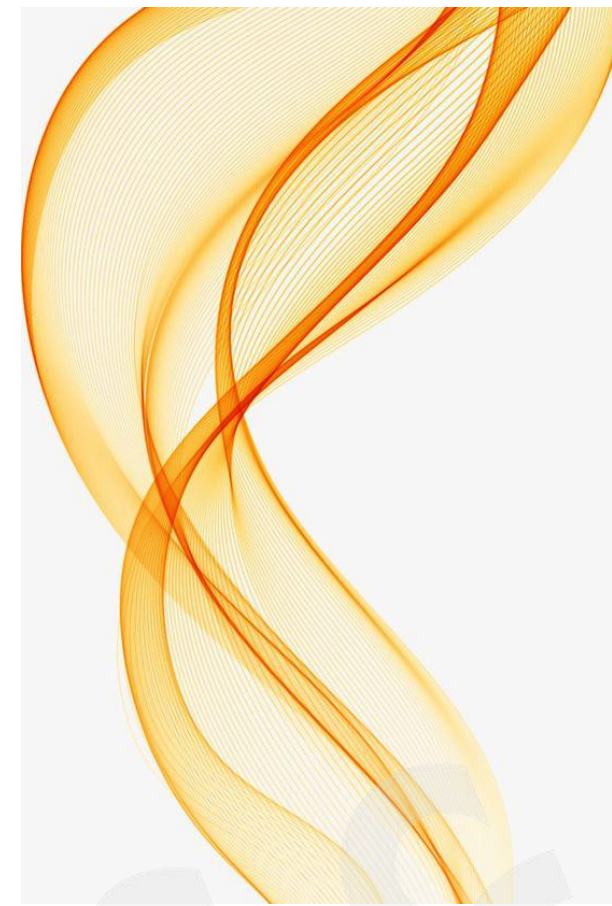
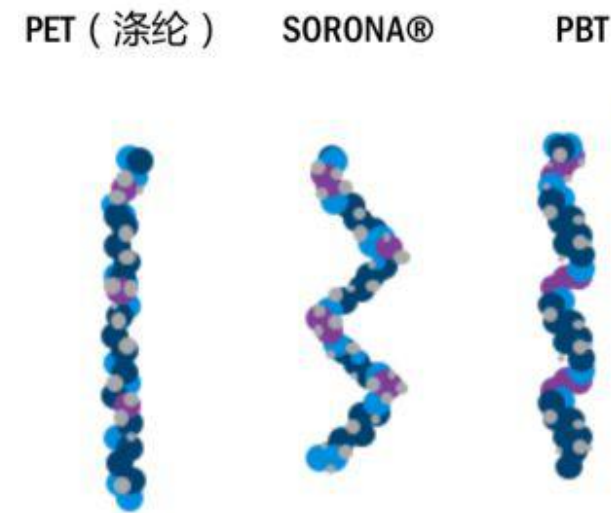
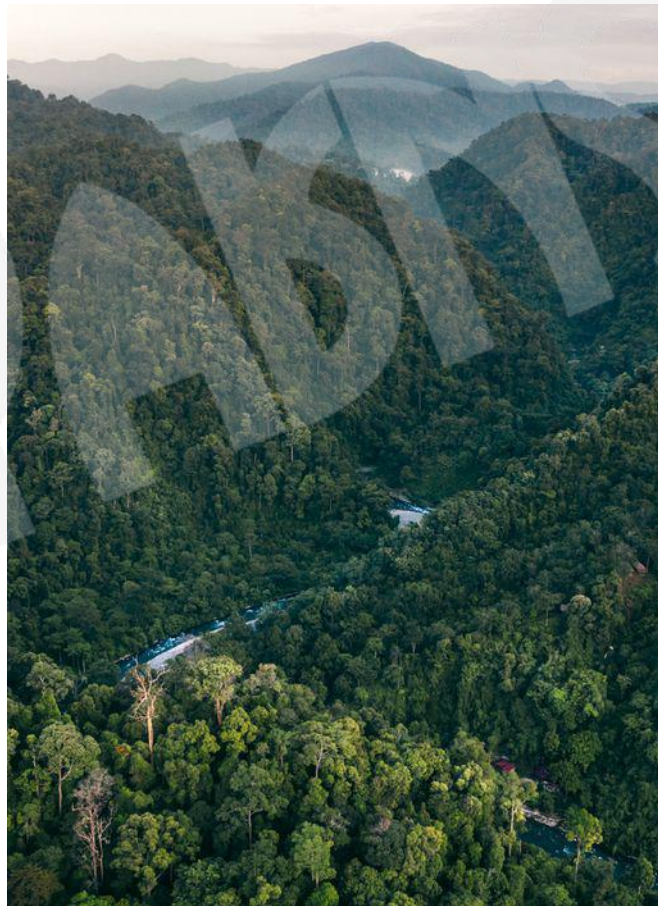
SORONA fiber has obtained the first-class certification of OEKO-TEX standard 100, and the certified materials can be used for products for infants and young children.



SORONA is a partner of the blue label system and an active member of the sustainable development of the textile industry chain

SORONA has unique and excellent performance

Fibers made of DuPont Sorona can be blended or interwoven with natural, synthetic and elastic fibers, thus giving the fabric an extremely soft and rich hand feeling, lasting shape retention, bright colors, excellent color fastness, good moisture absorption and perspiration performance, comfortable stretch recovery, stain resistance and wrinkle resistance.

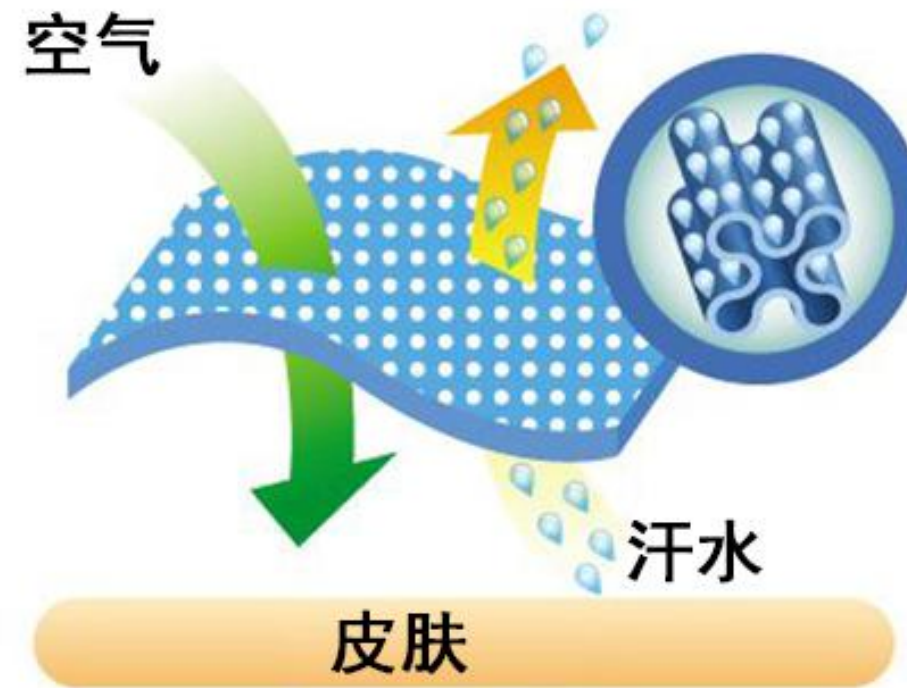


Renewable sources: 37% of raw materials come from plants, making life more environmentally friendly and sustainable

Patented technology: PTT's unique molecular structure endows the fiber with strong performance combination, which is smooth, soft and full

Bright colors do not easily fade: the dyeing temperature is lower and it is easier to dye. Chlorine and ultraviolet resistance, rich and bright colors

SORONA has unique and excellent performance



Reduce pilling: lasting smoothness, improve pilling phenomenon
Wrinkle free after wearing countless times, and still has soft texture

Perspiration and quick drying: quickly transfers moisture to make skin drier and more comfortable

Durability: the molecular structure of "small spring" makes the fiber stretch freely with excellent elasticity and durability

SORONA wash label component labeling instructions

面料成份标

含有SORONA® 弹性纤维面料的服装

销售区域在
美国

销售区域在
欧共体成员国

销售区域在
亚太国家

...% ELASTERELL - P
WITH SORONA®

...% ELASTOMULTIESTER
WITH SORONA®

...% POLYESTER
WITH SORONA®

...% ELASTERELL - P

...% ELASTOMULTIESTER

...% POLYESTER

Examples

50% ELASTERELL - P
WITH SORONA®

50% ELASTOMULTIESTER
WITH SORONA®

50% POLYESTER
WITH SORONA®

50% ELASTERELL - P

50% ELASTOMULTIESTER

50% POLYESTER

面料成份标

含有SORONA®单组份纤维面料的服装

IMPORTED & SOLD IN
UNITED STATES

IMPORTED & SOLD IN
EUROPEAN UNION

IMPORTED & SOLD IN
ASIA PACIFIC

...% SORONA® TRIEXTA

...% SORONA® POLYESTER

...% POLYESTER
WITH SORONA®

...% TRIEXTA

...% POLYESTER

...% POLYESTER

Examples

50% SORONA® TRIEXTA

50% SORONA® POLYESTER

50% POLYESTER
WITH SORONA®

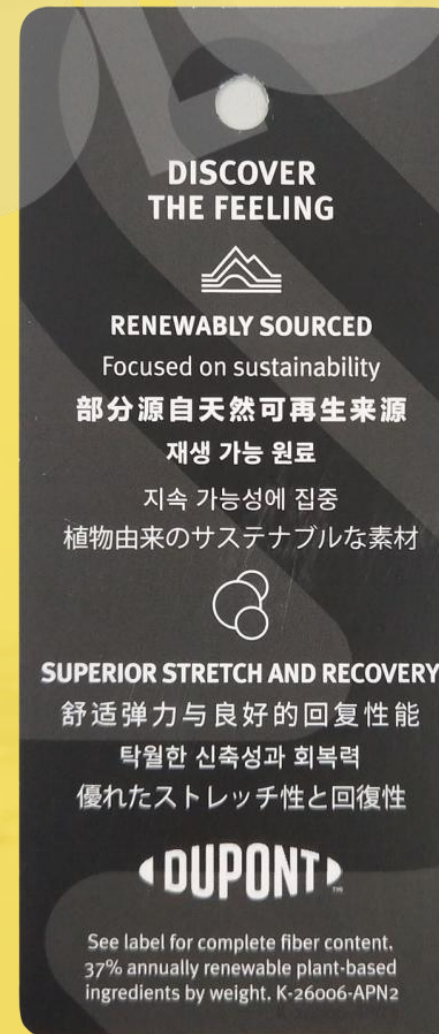
50% TRIEXTA

50% POLYESTER

50% POLYESTER

Knitting application:
sweater
Coat
Close fitting clothing
Home service
Trousers
Sportswear
yoga clothes
Accessories

Sonora ingredients must be above 25%
before you can apply for proof of Sonora
tag on the final garment: Provide brand
name-retailer name-brand ordering plan
number-application tag number-sweater
manufacturer name



American DUPONT

SORONA TAG

SORONA- a fiber creates infinite possibilities

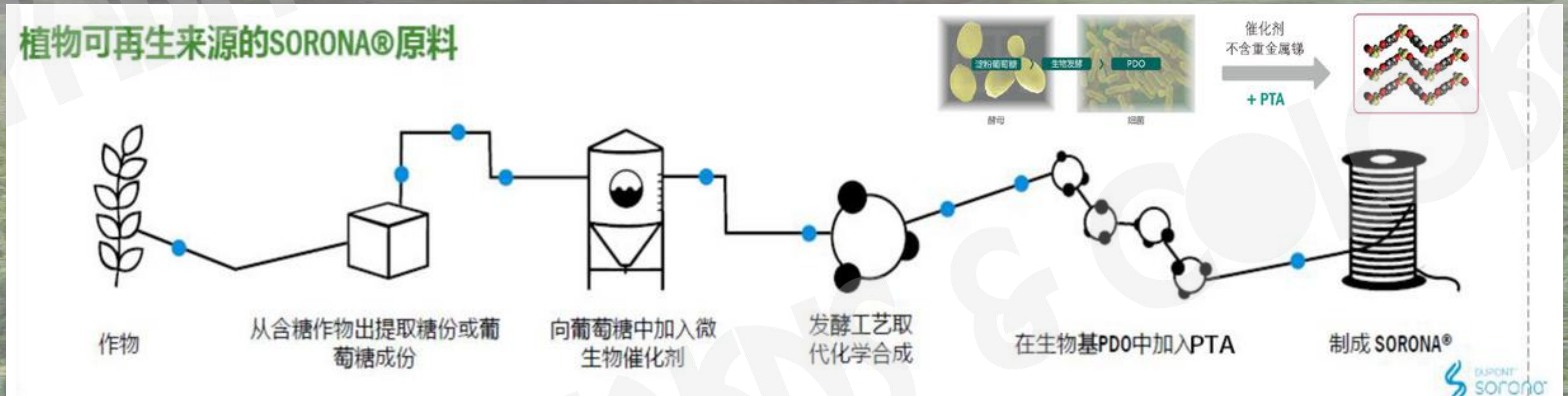
JOLLY/CF0504

- Comfortable elasticity
- Feel fluffy, soft and skin-friendly
- Excellent tensile recovery
- Excellent dimensional stability
- Does not wrinkle or deform easily, and is easy to take care of
- Sorona® recyclable plant raw materials

NT01/14G*1P /2/48NM/ 60%Mercerized Wool
40%Sorona®

The combination of natural wool and recyclable plant raw material Sorona provides a fluffy, soft and skin-friendly feeling with good stretch recovery and moisture and perspiration absorption.

JOLLY/
CF0504



ENVIRONMENT FRIENDLY |
COMFORTABLE

SORO/CS1712

NT02/14G*1P 2/50NM 70% EcoVero Viscose 30% Sorona

LENZING™
EcoVero™

Dupont Sorona fabric has a soft hand feeling, good color fastness, good moisture absorption, a perspiration function, a comfortable stretch recovery, and wrinkle resistance, which is suitable for making outdoor sports functional fabric. Furthermore, it adopts an environmentally friendly adhesive.



PHOTO/PINTEREST

Environment friendly | Comfortable

SORO/CS1712/ 14G*1P 2/50NM/
70 % ECOVERO VISCOSE 30% SORONA

Appearance

- Soft
- Comfortable elasticity
- Good color fastness

Function / Character

- Tensile recovery
- Moisture absorption and perspiration function
- Outdoor sportswear
- Environmentally friendly adhesive EcoVero Viscose
- Sorona® recyclable plant raw materials



PHOTO/PINTEREST