

# SUSTAINABLE ECO- BIO YARN & FABRICS



Innovation Initiated  
From  
The Ocean

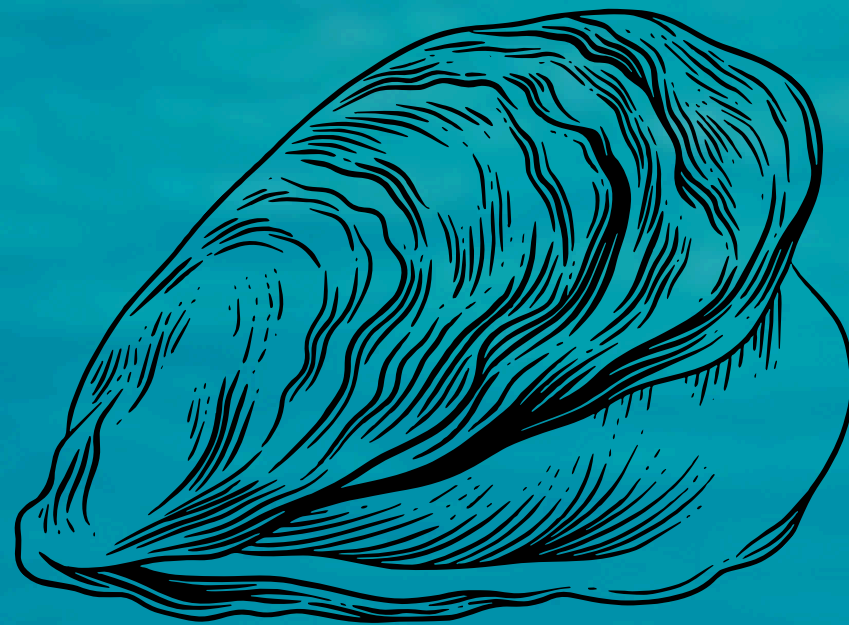
[WWW.UNITONTECH.COM](http://WWW.UNITONTECH.COM)

[SALES@UNITONTECH.COM](mailto:SALES@UNITONTECH.COM)

# MATERIAL INNOVATION



RECYCLE BOTTLE



OYSTER SHELL

COMPOUNDED WITH RECYCLED PET BOTTLE,  
THE NANOLIZED SHELL POWDER MAKE THE  
NORMAL POLYESTER VALUABLE.

# APPLICATION

WOVEN



KNITTING



# APPLICATION

## SOCKS





# FEATURE

## Low Thermal Conductivity

Heat can be lost through the process of conduction.

ECO-BIO WOOL has a thermal conductivity - 0.044 that is almost less than half as high as PET - 0.084. It means that ECO-BIO WOOL is better insulators than polyester.

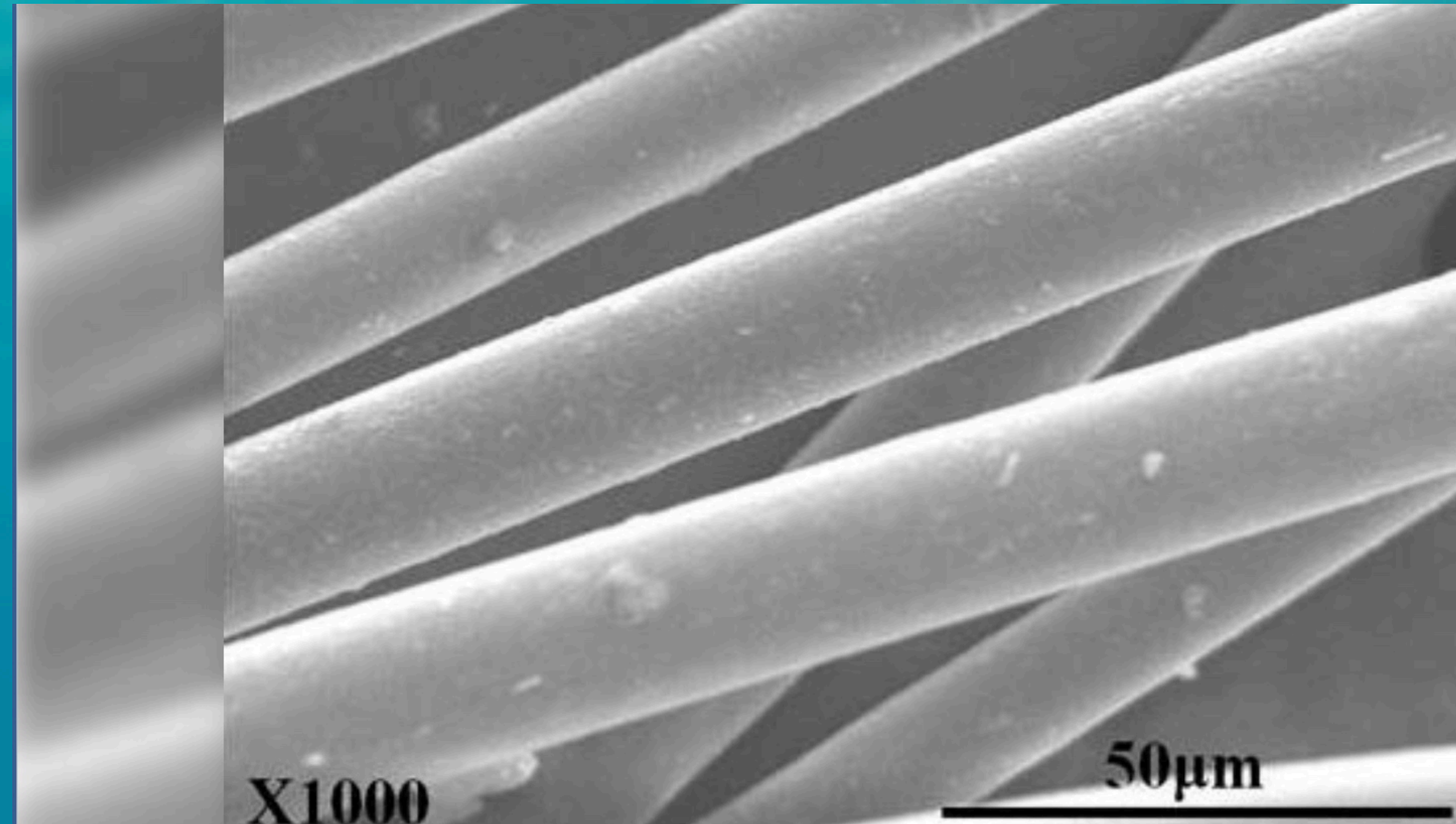


# FEATURE

## Woolen Touch

yarn surface is embedded in tiny pieces of scales come from nanolized oyster shell powder under the microscope.

The scales simulate the woolen touch, making it different from regular synthetic polyester.



# FEATURE

## Far Infrared

Far Infrared Emissivity > 0.80

Among the infrared waves, the far infrared rays, which have a wavelength of 6-12 microns, are especially good for the human body. These waves have the potential to penetrate 1.5 to 2 inches or more into the body allowing for deep heat and raise your core body temperature from deep inside.





# FEATURE

## UV Protection

Refractive index : 1.59

The surface of the oyster shell is mound-like porous structure after the calcination treatment, facilitating the absorption of the odor caused by sweat.



# uniton

WHATS APP  
+886-979-77-8191

EMAIL ADDRESS  
sales@unitontech.com

SOCIAL NETWORKS  
@unitontech

WEBSITE  
www.unitontech.com

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## THANK YOU!