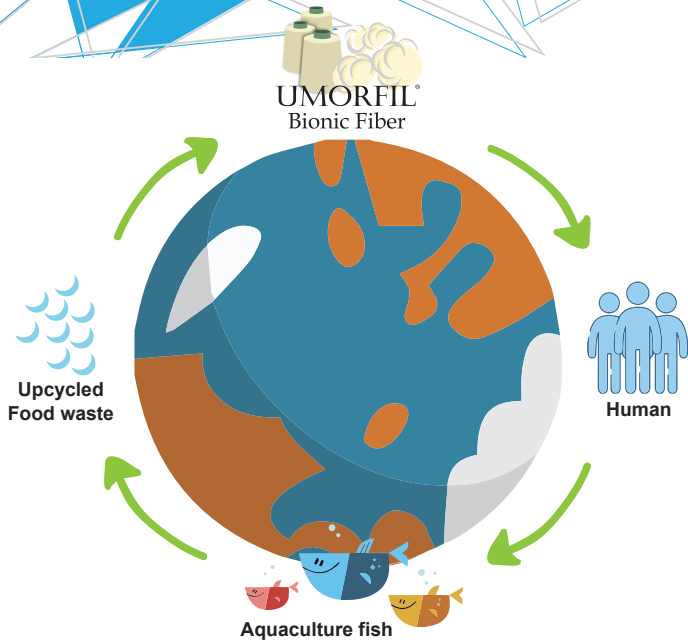


UMORFIL® N6U®

Bionic nylon by UMORFIL® Technology



How can food waste connect with textile material?

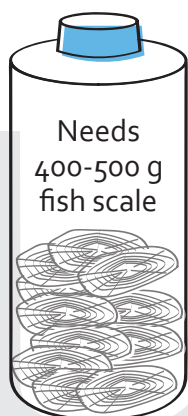
Founder Dr. James Hou is a well-known expert from the Taiwanese textile industry. Based on his years' experience in the textile industry and professional biology background, he created UMORFIL® Technology since 2012, valued up the food waste – aquaculture fish scale into textile ingredient and successfully innovated the skin-friendly UMORFIL® Bionic Fiber series.

Upcycle the ingredient - UMORFIL® Technology

“Bring comfort textile to a new level”

UMORFIL® is a new technology for amino acid bionic fiber. Its the name originates from the combination of the Latin "Umor" and French "Fil". Umor means moisture, and fil means yarn. UMORFIL® proprietary technology is a supramolecular tech to integrate peptide amino acid with textile materials like cellulose fiber or filament ingredients, create the bionic functional fiber series which provide a comfortable hand feeling and skin-friendly texture.

To make sure material's quality and support Taiwanese supply chain, UMORFIL® Bionic Fiber series are all designed and made in Taiwan.



1 Kg yarn
UMORFIL® N6U®

We can help to reduce the waste on the world

It needs 400-500 g fish scales to produce 1 Kg UMORFIL® N6U®. When we upcycle the fish scales and extracted amino acid to create the UMORFIL® N6U® with multiple natural features, we can help to reduce the food waste issue and prevent environmental pollution without using too much chemicals and detergent.

UMORFIL® N6U® is a new type of nylon which has better hand-feeling with deep dyeable feature, higher moisture regain, natural cooling effect and anti-UV function, provide us a skin friendly and better protection textile material.



Features



Bionic Nylon

N6U® is the bionic nylon which created by bonding peptide amino acid with regular nylon via supramolecular technology, and the bionic features are permanent.



Collagen peptide polymer

N6U® had passed the Hydroxyproline test to determine collagen in the yarn. Analysis was performed by LC/MS/MS.



Great for Sensitive Skin

N6U® is skin-friendly and passed the In Vitro skin irritation and skin moisturization testing.



Deep Dyeable

N6U® has more amino group on the surface and became the deep dyeable nylon, which can absorb the dyestuff more efficiency as well as reduce the effluent issue.



Better Moisture Regain

The moisture regain is higher than the regular nylon.



Natural cooling effect

N6U® has strong cooling hand feeling.



UV-Protection

N6U® has natural UV-Protection feature which can protect our skin well.



HALAL certificate

N6U® had passed HALAL Certificate.



For more information, please check on www.umorfil.com
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Umorfil Beauty Fiber



umorfiltechnology

Feel like second skin™
with collagen peptide amino acid