

SEAWOOL

OYSTER SHELL × PRET

引言

INTRODUCTION

在台灣西南沿海是牡蠣養殖所在地，
據統計每年約有160,000,000公斤牡蠣殼
被丟棄於海岸邊，形成環境隱憂。

經過多方努力，
成功將廢棄牡蠣殼改質並將之奈米化，
奈米化的牡蠣殼具有某些特質，
於是我司將其開發運用在功能型的戶外面料上。

In southwest coast of Taiwan, aquaculture of oyster blooms.
However, there are more than 160,000,000kg waste oyster shell
abandoned around the coast, causing serious environment issue.

After developed,
oyster shell successfully converts into nano material
which have several characteristics, suitable for applying on
outdoor fabric with good performance.



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強調環保以及再利用

SUSTAINABILITY

我司將牡蠣殼結合回收寶特瓶，形成環保滌綸牡蠣殼面料。
不僅是解決棄置的牡蠣殼造成海洋生態的不平衡，
也同時增加賦予廢棄塑膠產物新生命。

For sustainability,
we also made RPET combined with oyster shell fabric
to solve ocean unbalanced ecology and endow plastic waste new life.



特點

TRAITS

牡蠣殼 X 回收寶特瓶特性：
熱藉由空氣傳導，如同羽絨可以隔絕冷空氣般，
若是其中的介質具有低傳導的特性，
即可以達到冬暖夏涼的功能。

Air is one of the conduction ways heat transmitting through.
Like down has ability to ban cold air,
if the medium has low conductivity,
then the material is with thermal management trait.

以下熱傳導係數，
可以明顯看出牡蠣殼的潛力，具有調節體溫的能力。

Below graph shows clearly on heat conductivity of different material.
And we can tell oyster shell has gret potential on thermal managment.



牡蠣殼X回收寶特瓶紗線由於本身的牡蠣殼表面呈現孔洞，
有吸附異味的作用，因此面料也具有除臭的效果。

Fabric with oyster shell is also with odor management ability.

應用

APPLICATION ON SNOW WEAR

應用於滑雪服上，
除了底布的Fleece更具有保暖的效果，
也同時達到環境保育的概念。
應用於戶外上衣以及褲子，
可部份取代羊毛類的衣物，具備冬暖夏涼的作用。

Applied on snow wear, fleece is warm and skin-friendly.
It's sustainable at the same time.
Applied on outdoor shirt and pants, fabric can somehow replace wool.
It's sustainable at the same time.



面料具除臭效果

具備冬暖夏涼作用

