

FILIE

Vegan leather made out of recycled car windshield



Discovering Value In The Invisible.

Filie is a leather alternative made from recycled polyvinyl butyral. A resin that is used as a protective interlayer in laminated safety glass and car windshields. Through the process of separation, purification and modification, we were able to turn it into valuable materials.

Filie has a unique structure that provides versatility for various applications. It is robust and can be waterproof. It does not contain any PVC or DMF(Dimethylformamide), which meets the REACH regulation and is GRS certified.



Info@changwongltd.com
www.changwongltd.com



1 million years 15000 Tons 2KG.

Each car windshields include, on average, 2kg of PVB in them. When they are damaged, most of them end up in landfills. The amount is increasing by approximately 15000 tons per month (including those generated by the building industry).

If they were left untouched, it would take an estimated one million years to decompose.

How Filie is made?

Filie is created through the collaboration between Reco-Tec and Chang wong in Taiwan. The patented process includes separating the glass from the resin, purification, and modification.

The production is refined throughout the years so it can be utilized for various products.

In every color desired

Since recycled resin is transparent, There is the freedom to produce it in any color.



Waste Windshield



Initial Resin Flake



Purified Resin



Filie Pellet

Made In Taiwan



More sustainable than other synthetic leathers.

Unlike other common petroleum-derived synthetic leathers such as PVC and PU, Filie is made only with recycled material. This avoids introducing any fresh material into the environment.

What's Filie-Foam? →



Thicker with more padding.

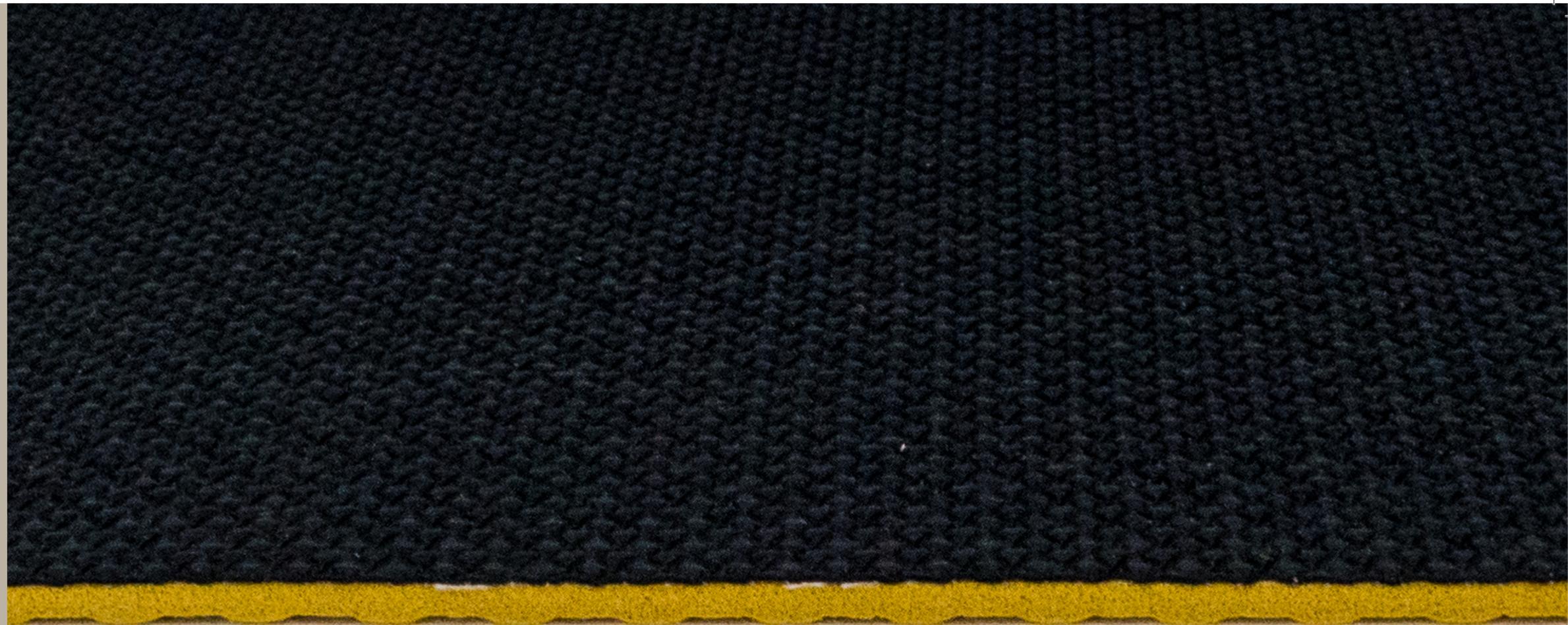
The latest development in our Filie material line. We can now offer Filie as a foam material between the thickness of 2mm to 6mm. Filie-Foam is scratch resistant and an excellent material choice for products seeking comfort and protection from a sustainable source.

More about Filie on the flip side



FILIE-Foam

Mats & Pads made out of recycled car windshield



Whats Special?

Filie-Foam has a unique characteristic that feels comfortable to the touch and offers a grippy surface. Good impact absorption makes it great for products such as exercise mats. It can also be easily customized to suit various purposes.

Contact

Info@changwongltd.com

No.139, Lane92, Feng Nan st.,
Feng Yuan Dist., Taichung City,
Taiwan

Tel: +886 4 2536 8917