

 AUTHENTIC MATERIAL

MANUFACTURE OF NATURAL MATERIALS

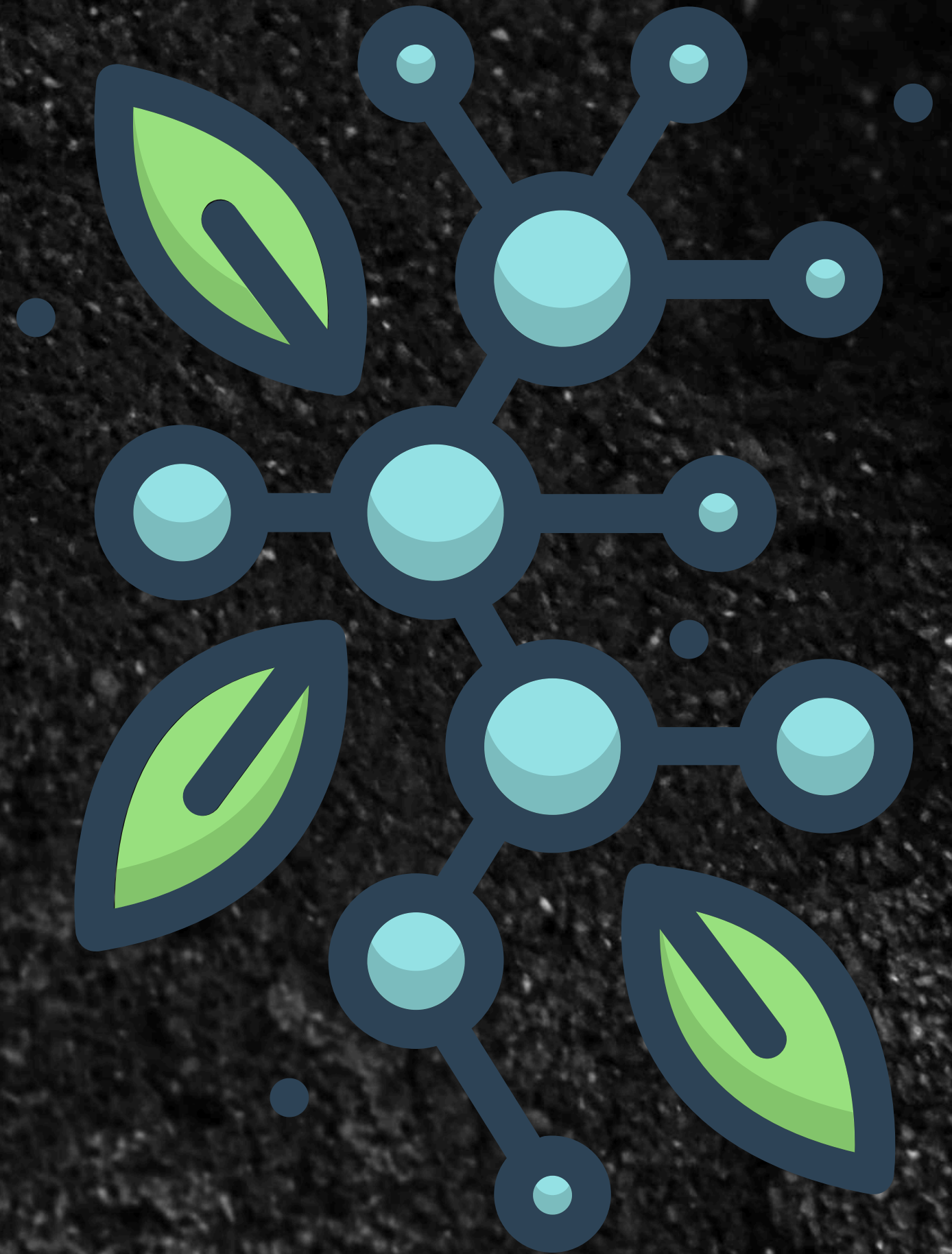
2025

QILIN

Leather-based reinforced plastics

Natural fibers reinforced plastics (NFRP)
for companies who care for
quality and sustainability.

Our unmatched filler: **leather powder**





Leather waste as a resource

- Byproduct of the meat industry used for leathergoods
- France: world player driven by the luxury market
- Waste generated all along the supply chain
- No industrial recycling solution
- Leather waste is:
 - a **traceable** & **unlimited** resource
 - a **powerful** natural fiber
 - a **new story** to tell

Historically rooted to the luxury and leathergood sectors, Authentic Material has developed the QILIN materials family.

QILIN Materials

We offer **stock** and **custom** materials based on your requirements and leather waste.





QILIN benefits

- Recycling an unrecycled waste
 - Plastic reduction up to 50%
 - Carbon impact improvement
 - High filler content
 - Look & feel
-
- Lightweight
 - Mechanical reinforcement
 - Dimensional stability
 - Plug & play solution

	Sustainability	Hardness	Shore D	Polymer
1	Biosourced	Flexible	44	PEBA
2	Biosourced	SemiRigid	71	PEBA
3	Biosourced	Rigid	75	PA
4	Recycled	SemiRigid	59	PPr
5	Recycled	SemiRigid	63	PEBA
6	Recycled	Rigid	75	PA

QILIN materials in stock

- 40% leather powder
- 60% polymer
- Black or beige
- Pellets

Note: Possibility for custom materials based on your requirements and leather waste.

POLENE

Paris case study

- Custom-made
- Feedstock: POLENE leather waste
- Polymer : semi-rigid biosourced
- Pearls molded by injection



Trims for fashion

- Alternative to ABS
- QILIN molded and coated by e.g. MTWH, Ramponi, KOCHER



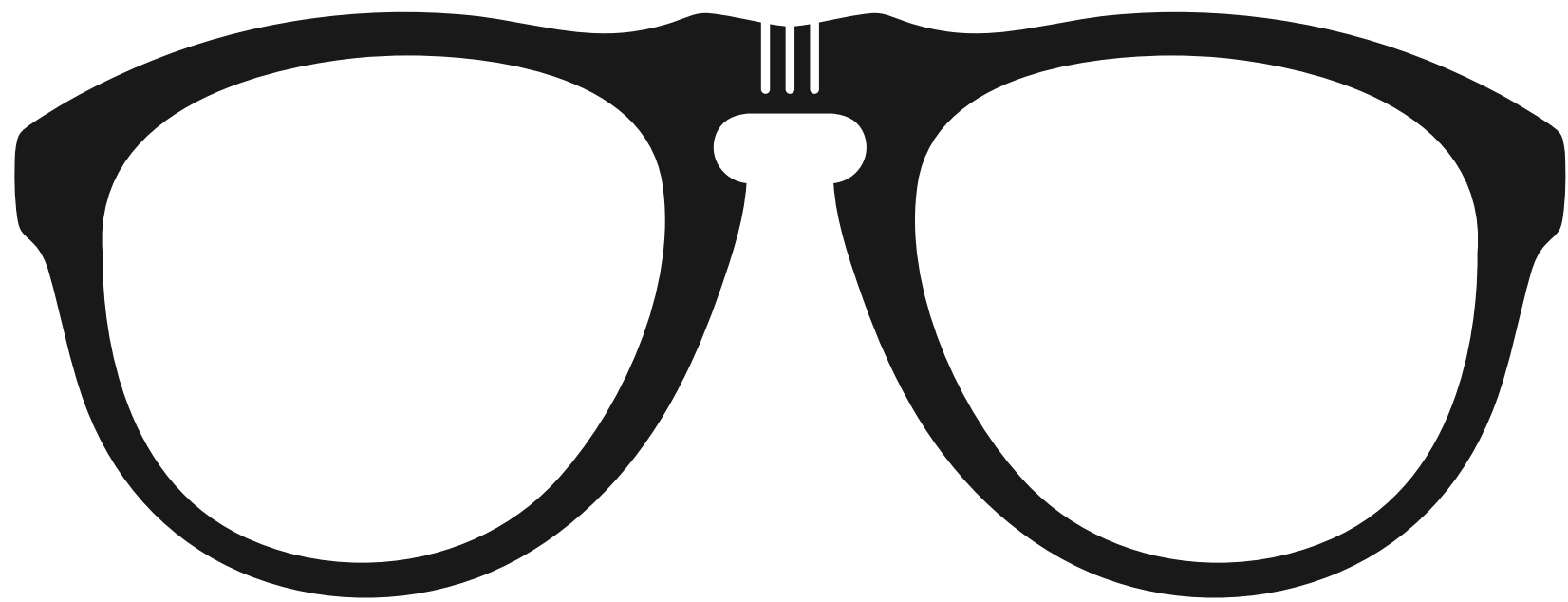
Components for leathergoods

- Alternative to TPU
- QILIN molded by e.g. New&Best, calendered by Coats Rhenoflex and thermoformed by MOST



Components for Footwear

- Alternative to ABS
- QILIN molded by e.g. MODA, TVC, MONTI, Molinella



Eyewear

Alternative to acetate

QILIN molded by THELIOS (confidential designs)

Lifestyle & retail

**QILIN wire 3D printed
Auto-edited**

**QILIN pellets 3D printed
Medusa lamp by Komut Studio**





About us

Founded in 2016

8 patent families

Production facility

Toulouse, France

Shareholders: BPI, CuirInvest & Chanel

**Learn more
about
leather
recycling**

Leather recycling challenges

Variety of animals,
tanning, finishing



Plurality of chemistries



**Limitation to
mixed waste**



Mechanical leather
grinding



Heterogeneous powder



**Limitation to
high rate of leather**

Unique scientific competitive advantage

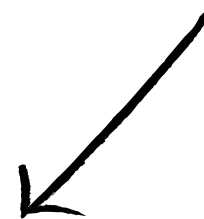


Unique micronisation technologies

Homogeneous & dense powder



High mixability
with polymer matrix



Up to 50% of leather content



2 components exclusively

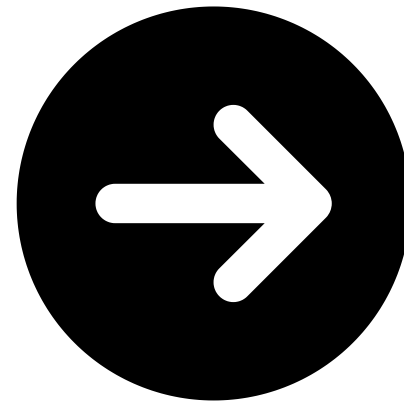


**8 patents
families**

Leather feedstock

Pre consumer

- Wet blue
- Scraps, offcuts, hides
- Quality deviations
- Overtsock, deadstock



All animal species
All tanning
All finishing (patented excl.)



Agreement with suppliers in France for feedstock



THANK YOU

www.authentic-material.com