

Innovative & Sustainable Recycled Textiles – Spinning Mill Barcelona

A hand is holding a bundle of yellow yarn, which is being tested with a flame from a torch. The background shows a spinning mill with large spools of yarn.

**HILATURAS
ARNAU**

Highest Flame Retardant

**Recycled Yarns,
Fabrics & Nonwovens
made in Hilaturas Arnaud
from Waste materials**



**100%
RECYCLED
TECHNICAL
TEXTILES**



PARA-ARAMID

META-ARAMID

ANTISTATIC
META-ARAMID

PREOX
PARA-ARAMID

NONWOVEN
PARA-ARAMID



PARA-ARAMID /
META-ARAMID / PREOX



ANTISTATIC
META-ARAMID



PARA-ARAMID
CIRCULAR KNITTED



RECYCLED FIBERS



100% RECYCLED



EXTREME PROTECTION
FOR INDUSTRY



BUS, TRAIN & PLANE SEATS

**HIGH QUALITY
META-ARAMID
& PARA-ARAMID
NONWOVENS**

**CIRCULAR
KNITTED
TECHNICAL
FABRICS**
ANTISTATIC+HIGH TENACITY+
FLAME RETARDANT

**ANTISTATIC
RECYCLED
META-ARAMID
GLOVES**

**TECHNICAL
WASTE FR
FIBERS**



EURATEX - European Apparel and Tex...

17.815 seguidores

3 meses • Editado •

After 2 years of testing, with some small productions with irregular quality, **#RegioGreenTex** partner @hilaturasArnau has succeeded in producing ... más

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Co-funded by
the European Union

PBO

Poly-Phenylene-Benzobisoxazole

Hilaturas Arnau is the “only known” company that is able to recycle PBO.

- PBO withstands continuous temperatures above 500°C and peak temperatures up to **600°C** without **melting nor burning**
 - Is a high-performance thermal fiber (**LOI 68**)
 - Used primarily in extreme applications:
 - Protective clothing
 - Aerospace and military equipment
 - As protection to chemicals
 - Protection in industrial environments
 - In construction sector as flame isolation layer
 - In Hilaturas Arnau besides recycling PBO we are also able to **mix it** with other FR fibers to achieve different purposes adapted to the client necessities. Mixtures can include:
 - PREOX (50 LOI)
 - PBI (43 LOI)
 - NOMEX/KEVLAR (~30 LOI)
- LOI is the Limiting Oxygen Index. PBO has world's highest LOI.

<https://tinyurl.com/3ykj335r>



<https://tinyurl.com/yjbynx5w>

<https://tinyurl.com/kez5e6u6>

Hilaturas Arnau - European Projects

- **Utile Project:** aims at developing several technologies that allow the implementation of circular strategies to recover and reuse different soldier personal protection (SPE), which are used by different UE Member States armed forces. <https://www.utile-edf.eu/>
- **Regio Green Tex:** strengthening innovative textile circularity in Europe's regions. It's a project promoting the collaboration in R&D for the textile industry to establish a systematic circular economy business model. <https://www.regiogreentex.eu/>
- **INTRANSIT:** recycling of the firefighters' uniforms at the end of their lifetime. <https://intransitproject.eu/>



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