

Innovative & Sustainable Recycled Textiles – Spinning Mill Barcelona



Highest Flame Retardant

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

HILATURAS
ARNAU



HIGH QUALITY
META-ARAMID & PARA-ARAMID NONWOVENS

CIRCULAR KNITTED TECHNICAL FABRICS
ANTISTATIC+HIGH TENACITY+FLAME RETARDANT

ANTISTATIC RECYCLED META-ARAMID GLOVES

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

Mostrar traducción



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/>
- **INTRASIT:** recycling of the firefighters' uniforms at the end of their lifetime. <https://intransitproject.eu/>



Funded by European Union
Project: 10112122
EDF-2022-LS-RA-SMERO





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