



VERSO UN'ECONOMIA CIRCOLARE

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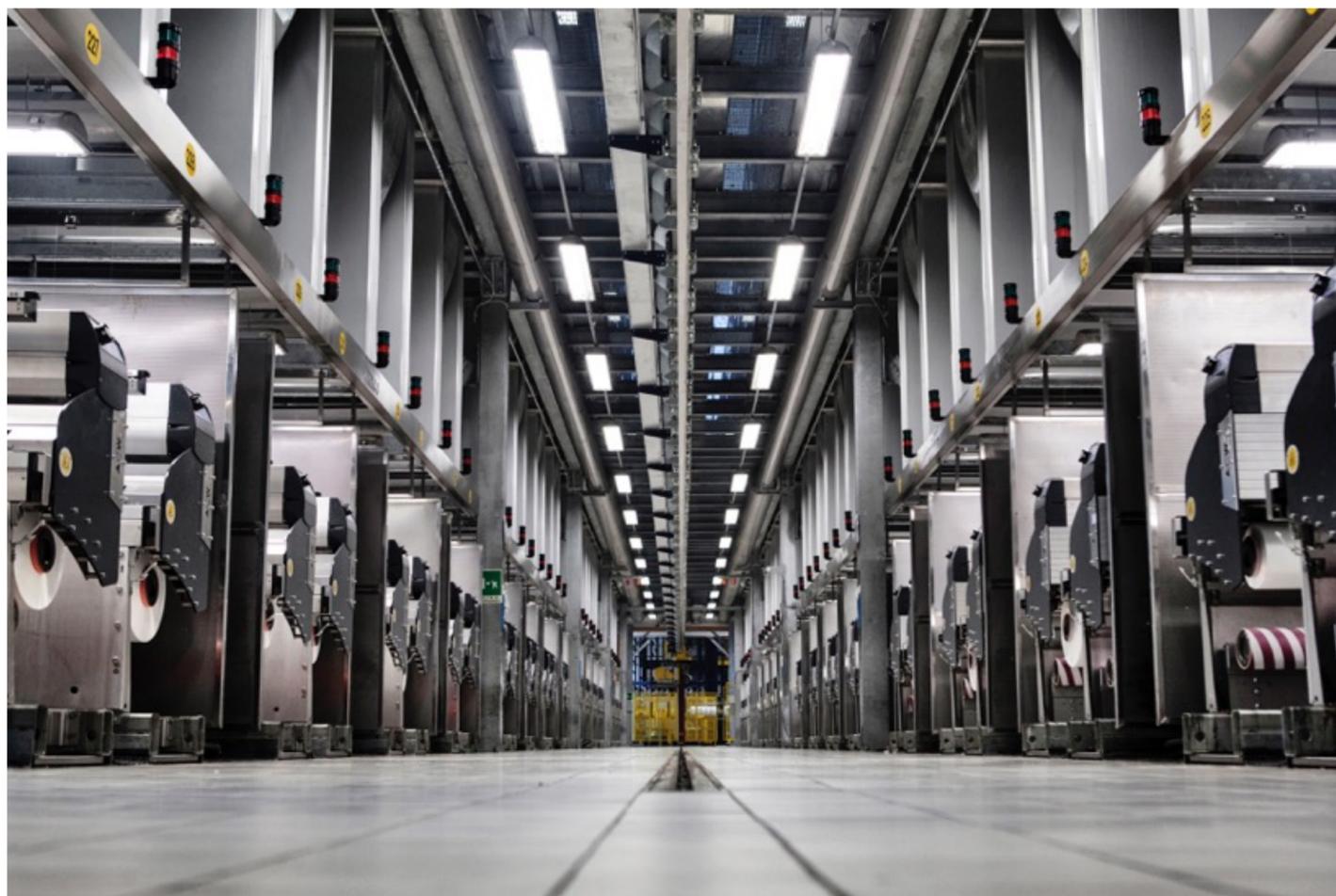


AND ITS BRANDS



DISTRIBUTION

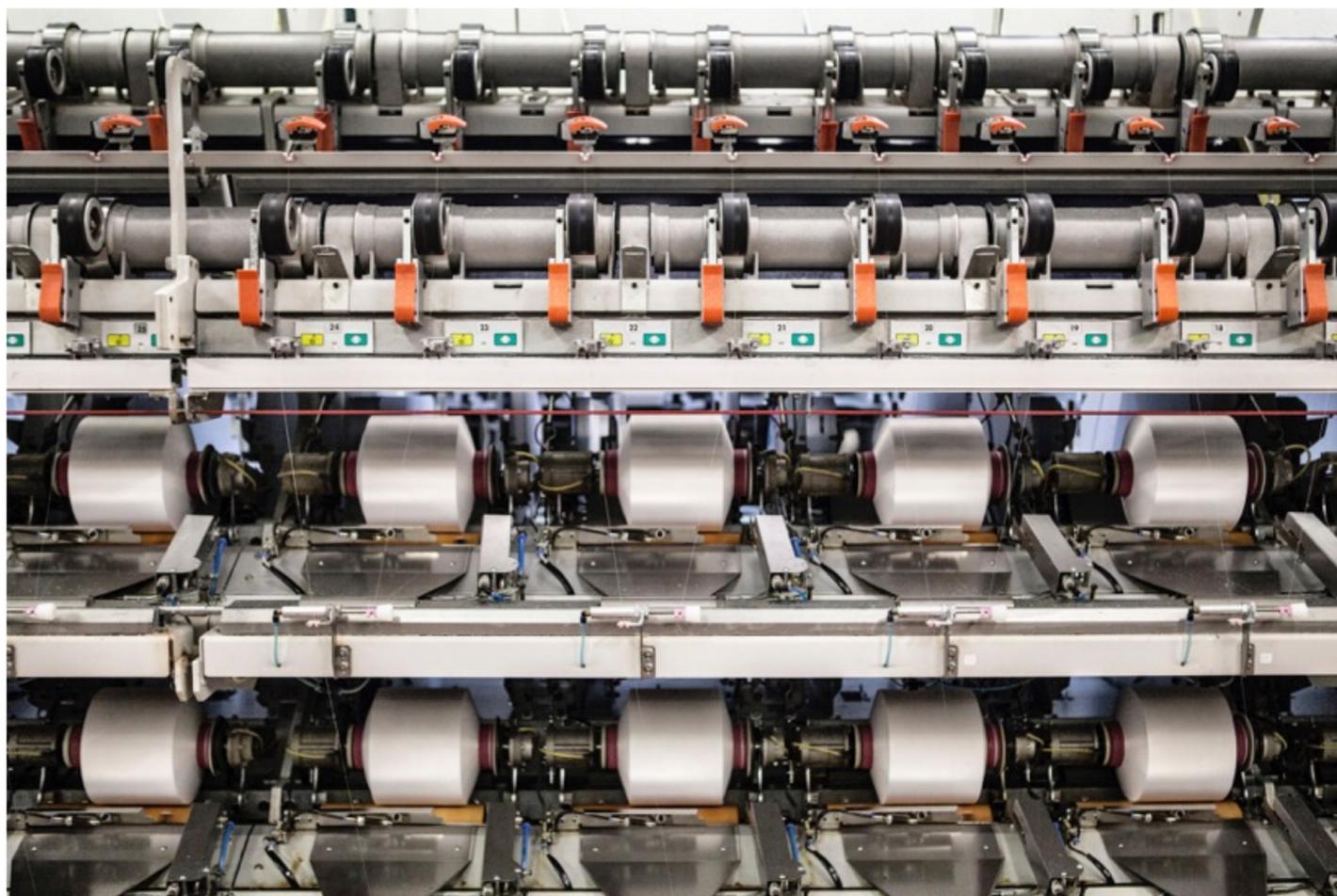




Nell'immagine: CENTRO R&D E FILATURA FULGAR ITALIA

- Da più di **40 anni specializzata nella produzione di Poliammide 6,6** con sede in Italia, (Castel Goffredo IT).
- Più di **1000 dipendenti** nel mondo.
- Altre Sedi produttive all'estere **SRI LANKA e SERBIA.**
- Impianti installati: Filatura, Testurizzazione, Ricopertura, Air Jet, FDY, DDY, Ritorcitura.
- Dall'Italia più del 50% export.





Nell'immagine: IMPIANTO F2 FULGAR ITALIA

PRODOTTI OFFERTI

FULGAR annovera un vasto assortimento di filati elastici tra cui:

- Filati di Nylon 6,6 P.O.Y. e F.O.Y
- Filati di Nylon 6,6 DDY®
- Filati di Nylon 6,6 Testurizzato
- Filati di Nylon 6,6 FDY
- Filati di Nylon 6,6 Ricoperti
- Filati di Nylon 6,6 Ritorti
- Filati di Nylon 6,6 Melange combinati con altre fibre
- Filati di Nylon 6,6 Riciclati Q-NOVA®
- Filati Bio-based EVO®
- Filati Biodegradabili AMNI SOUL ECO®
- Filati F.I.R. EMANA®



"GREEN" ROAD MAP



During 2008 Fulgar published the first **Sustainability Report** to describe our commitment in doing business responsibly.

Q-NOVA by Fulgar® the environmentally-sustainable nylon 6,6 obtained exclusively from regenerated raw materials.

EVO by Fulgar® the new bio-based nylon made from renewable resources.

LCA Studies based on **PEF** for three specific products: Fulgar **NYLON 6,6**, **Q-NOVA®**, **EVO®** **ISO 14040** and **ISO 14044**

AMNI SOUL ECO® is a new generation of polyamide 6,6, developed by **RHODIA-SOLVAY** group, which enables garments to quickly decompose when they are discarded and left in landfill.

During 2018 Fulgar published - **THE 10TH YEARS Sustainability Report** to describe our commitment in doing business responsibly. a transparent and effective tool for evaluating our actions certified by **CENTRO COTTON**

NEXT...

- **Avanzamento del progetto LED-lights** agli impianti di Filatura.
- **Certificazione intera gamma di filati Fulgar** secondo lo standard **OEKO-TEX® STANDARD 100 class I APPENDICE 6**
- **Riduzione dei consumi di acqua** aumentando la quota di filati riciclati.
- **Studio di nuovi prodotti eco-friendly.**

1997

2008

2009

2010

2011

2012

2013

2015

2016

2017

2018

In 1997 **FULGAR** applied for the first time to **STANDARD 100** by **OEKO-TEX®** is a worldwide consistent, independent testing and certification system for raw, semi-finished, and finished textile products at all processing levels, as well as accessory materials used.

EU ECOLABEL is a trademark of the European Union certifying environmental quality and indicating the products with the best ecological performance.

UNI-INAIL is a model for the implementation of health and safety system management. Based on **ISO 9000** and **ISO14001**.

TF traceability system is a voluntary system managed by **Unionfiliere**. its objective is to certify and increase the value of the products of "made in Italy" supply chains.

Q-NOVA by Fulgar® gets the **Global Recycled Standard** an international full product standard.

EVO® is certified **DIN CERTCO** system and by the **OEKO-TEX STD 100 CLASS I** system. All these certifications vouch for the integrity of the fibre.

The **Q-NOVA®** yarn was included on the **Higg Index**, an instrument developed by the **SAC** (Sustainable Apparel Coalition) to evaluate the environmental impact of a garment's entire lifecycle.

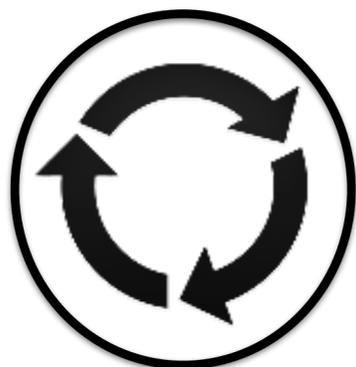
Textile Sustainability Conference will be held in **Milan, Italy** on **October 22-24** with a theme of **United By Action: Accelerating Sustainability in Textiles and Fashion**. **FULGAR** part of the **aboutbiosynthetics**.



**DA COSTO
AD
OPPORTUNITA'
3%**

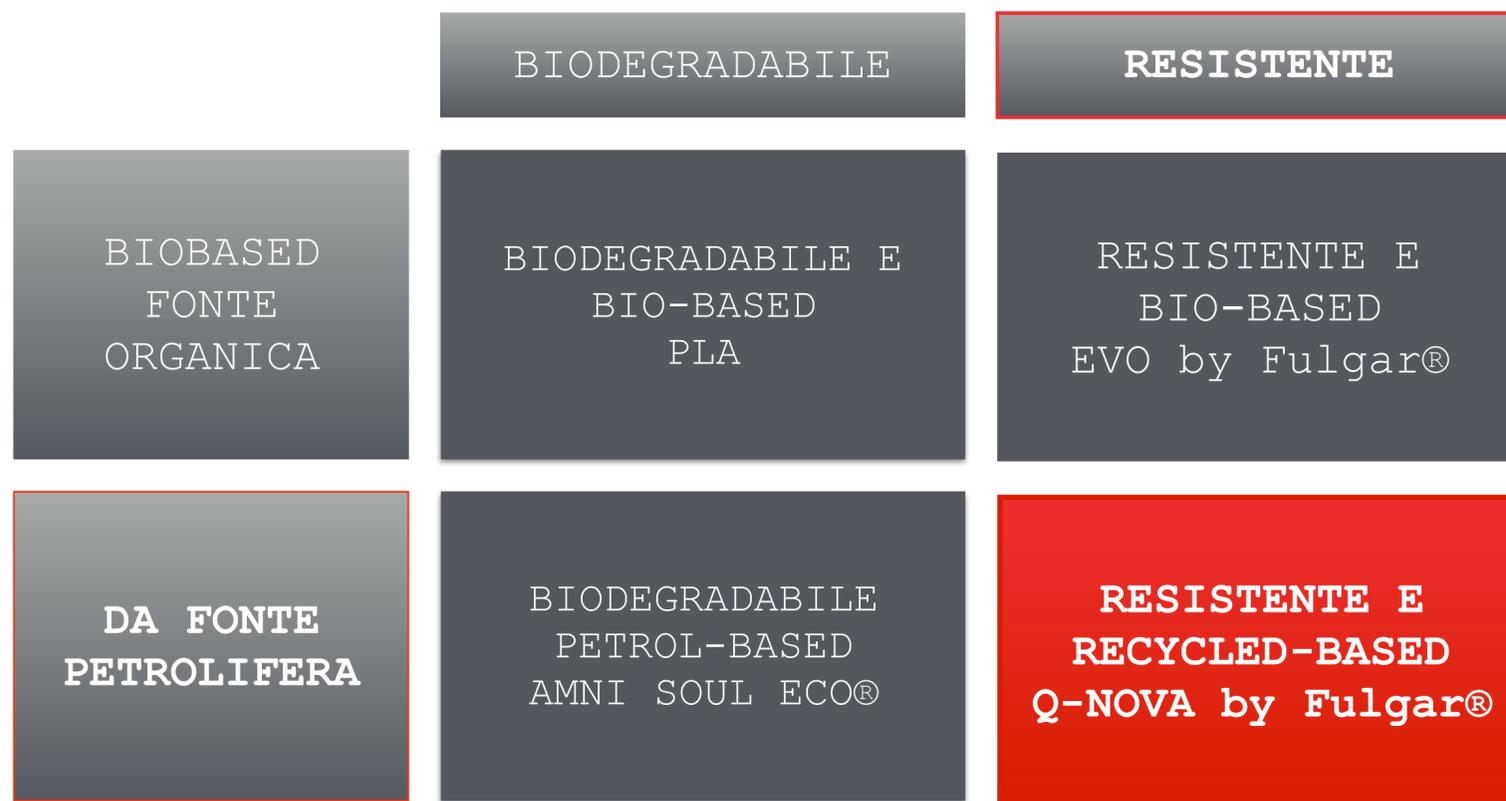
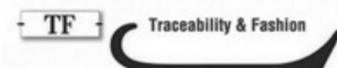
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Q-NOVA by Fulgar® è una fibra di Nylon 6,6 ecosostenibile completamente prodotta in Italia, ottenuta esclusivamente con materie prime rigenerate e risponde a precise esigenze di tracciabilità.

Q-NOVA by Fulgar® è costituita da materiali di **rifiuto provenienti dal ciclo produttivo del Nylon 6,6**, questa scelta permette di **eliminare completamente l'utilizzo di petrolio greggio necessario per la produzione della materia prima di partenza.**



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Possibilità di rivalorizzarli nella biosfera

Possibilità di rivalorizzarli ma **non** nella biosfera

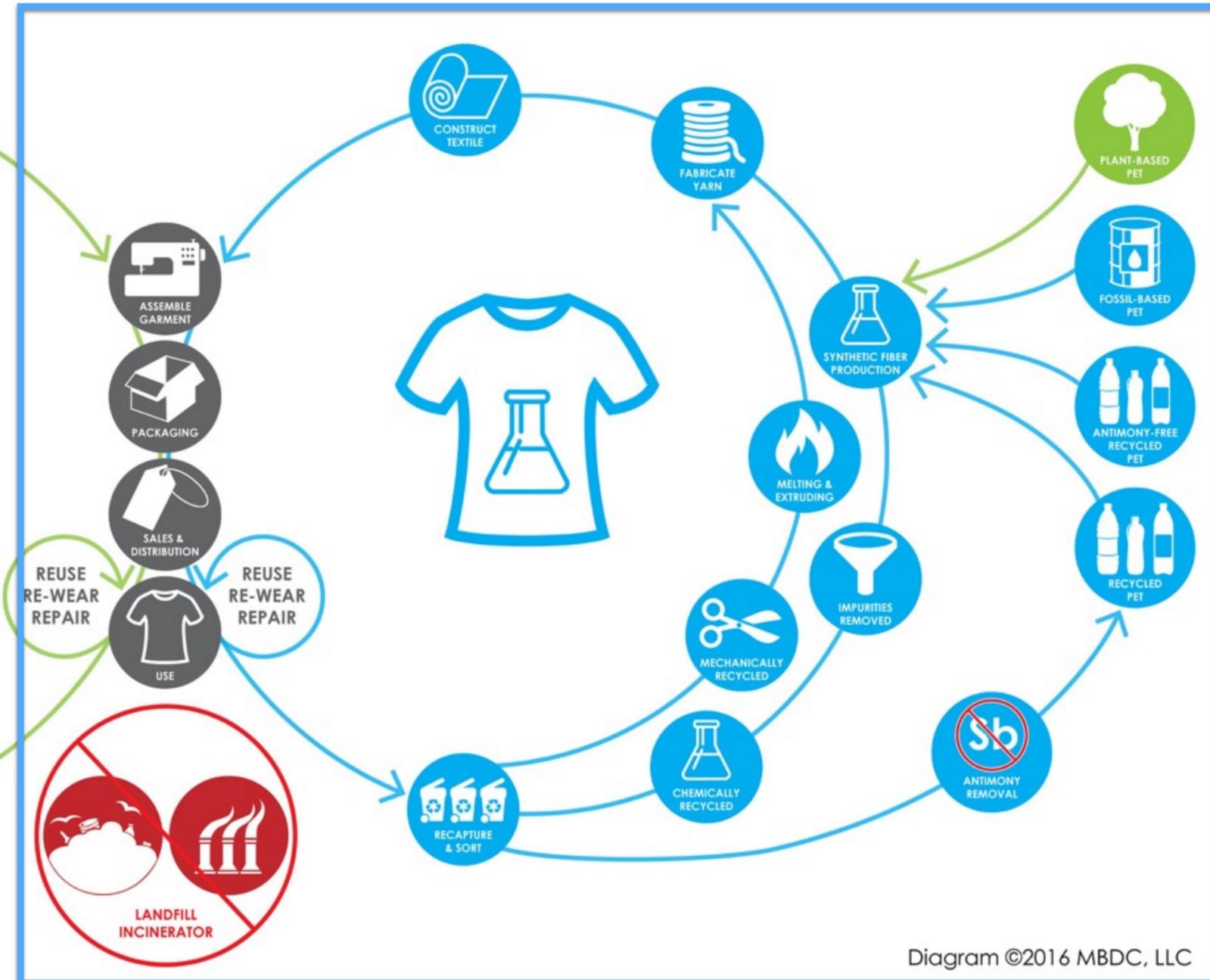


Diagram ©2016 MBDC, LLC



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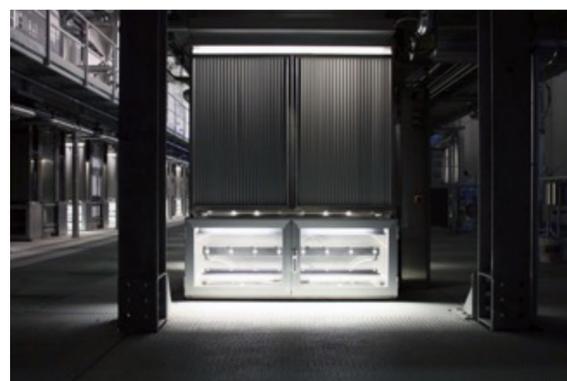
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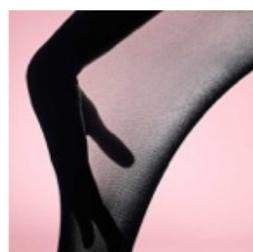
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OGGI

GAP!



DOMANI



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LIMITI ATTUALI NEL RICICLAGGIO DEL NYLON 6,6



- La normativa vigente **non prevede che indumenti tessile di composizione sintetica finiscano nella raccolta plastica.**
- Il sistema di rigenerazione presente **non permette ad un capo finito di essere riciclato per utilizzi tessili.**
- Il **mix di fibre** limitano la possibilità di rigenerazione.
- Gli **ausiliari, finissaggi, colorazioni** utilizzate possono compromettere la sostenibilità del riciclo.



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CONCLUSIONE



- Nel settore tessile abbigliamento **la logica di economia circolare può essere applicata solo in parte.**
- Sono necessari sistemi di **coordinamento distrettuale e/o multisettore.**
- Le risorse saranno sempre meno disponibili (aumento costi materie prime) e la richiesta del **"rifiuto"** sempre più alta.
- L'economia circolare **può passare** da un settore merceologico a un altro.

...Con i futuri materiali di base sarà **possibile entrare nei cicli della biosfera.**



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