



Olmametex

TEXTILE IN PROGRESS

Our concept of sustainability
#olmetexforlife



Olmotex

TEXTILE IN PROGRESS

The President's letter

Being sustainable signifies both devotion and attention to the Company, to its employees as well as to the environment that provides the necessary resources

This signifies considering the planet as a welcoming home and protecting its well-being.

This is a constant and concrete commitment that conditions the whole of the Olmetex team.

We consider the waste to be a precious resource and we look for solutions to face the challenges of a world in constant change.

Since 2010 Olmetex has devoted itself to eliminated the use of hazardous substances to both one's health and environment, adopting an approach which is evermore green as well as favoring numerous collaborations with the best luxury brands.

1

NO HAZARDOUS SUBSTANCES

Research and innovation



MANUFACTURING PROCESS

Olmetex, over many years, has invested significantly in research, committed day after day to study ways to eliminate the use of PFC in the production cycle and to find the means to achieve excellent solutions using new chemical combinations.

The ZDHC MRS L is a list of chemical substances banned from intentional use in facilities that process textile materials and trim parts in apparel and footwear.

It set out limits of acceptable concentrations with the aim of arriving at their total elimination. The intent of the MRS L is to remove those hazardous substances from the manufacturing process.

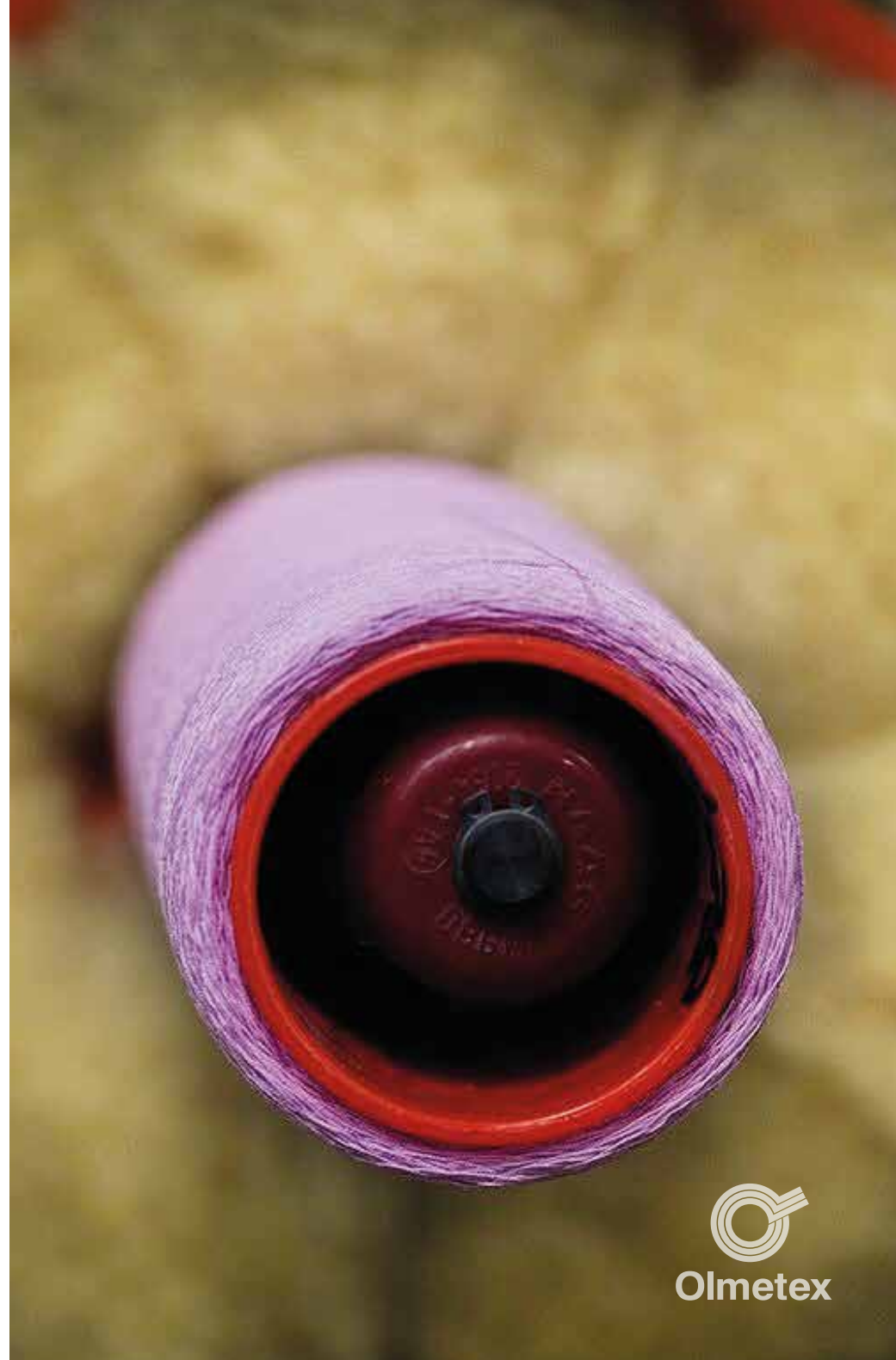
Olmetex started, in 2013, a long journey towards respecting ZDHC with both innovative and ecologically sustainable textile and chemical innovations, adopting highly specialized chemical products for the textile industry which are commercialized worldwide, to maintain the targets of the timetable: towards the zero discharge of hazardous chemicals.

The company is highly motivated to respect the very highest security standards of the output by means of an intensive analytical monitoring of the chemical products with the objective of removing the dangerous chemical substances from our production line. Due to this aim is very important to work together with a responsible supply chain in order to guarantee quality and security of the end product.

Olmex has set up a global internal network to monitor the flow of raw materials and chemical products both in arrival and departure to ensure that all processes are controlled from A to Z.

This commitment and experience, together with related innovation and research, has led the company to achieve excellent outcomes whilst maintaining the constant objective of never halting but continually improving.

Quality and Security





ONLY FLUORID
FREE

Our corporate policy, being that of working without the use of Fluoro-Organic compounds, has brought about undiscussable improvements at an environmental level as well as changes to our technical values.

To avoid the risk of contamination Olmetex has invested in many finishing machinery such as a new ramouse in which we operate totally PFC FREE.

Good to know:

The use of chemical compounds permitting the exclusion of PFC, does not cover OIL REPELLENCY. Performance relative to water repellency is undergoing continuous improvement and outcomes can vary according to article type.

PFC ZERO

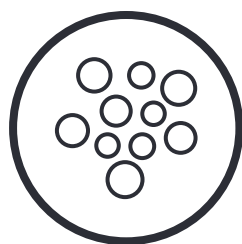
2

RECYCLING PROCESS

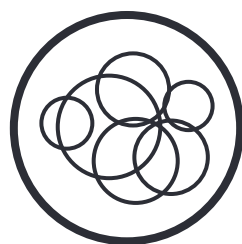
Raw material of second use



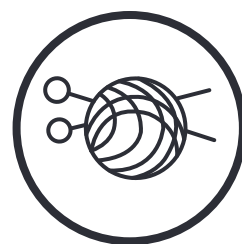
**PET PLASTIC
BOTTLES**



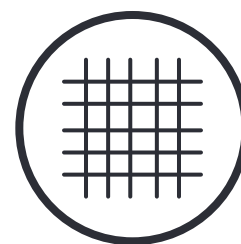
CHIPS



FIBER



YARN



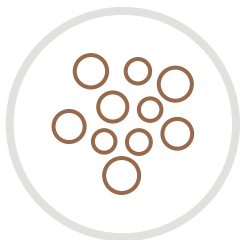
FABRIC





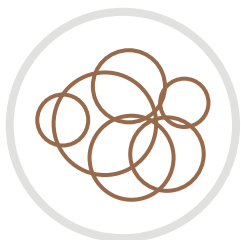
PET* PLASTIC BOTTLES

The collected PET bottles are sterilized, dried and crushed into small chips.



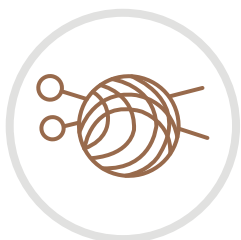
CHIPS

The chips are heated and passed through a spinner to form strings of yarn.



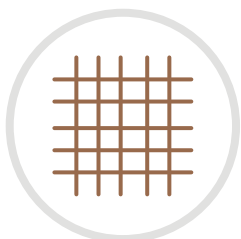
FIBER

This yarn is wound up in spools.



YARN

The fibre is then passed through a crimping machine to create a fluffy wooly texture.



FABRIC

This yarn is then knitted into polyester fabric.

*PET = terephthal polyethylene. Polyesters finished in plastic bottles or in containers of some products.

POLYESTER

- **Newlife™** is an eco-friendly high tech yarn made from 100% recycled polyester yarn made from post-consumer plastic bottles.

- **R-Starlight®** is a continuous filament polyester yarn produced from post-consumer recycled PET.

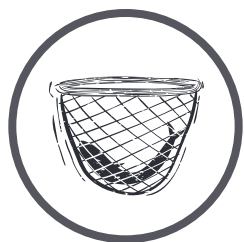
- **Eco-Antex®** is a recycled polyester thread that provides for the use of post-industrial waste from the textile chain and material from the selective collection of PET packaging.

RECYCLED MEMBRANE

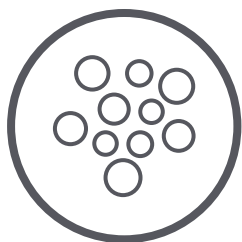
Fabric with a recycled membrane composed of a glass veil and one of non-woven recycled polyester with energy efficiency grades comparable to the classic membranes.

Waterproof grade: over 10K.

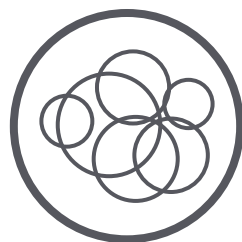
Breathability grade: 90,000 g / (m²*24h)



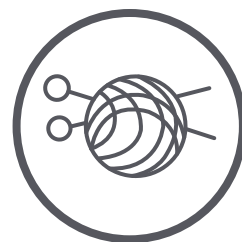
**FISHING NETS
NO LONGER USABLE**



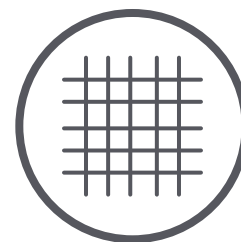
CHIPS



FIBER



YARN



FABRIC

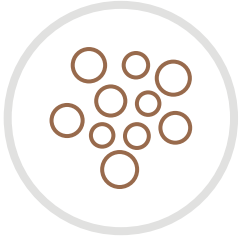


Ometex



FISHING NETS

fishing nets which are no longer usable.



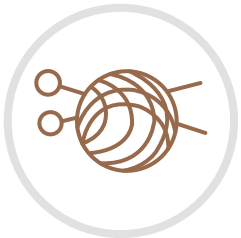
CHIPS

The chips are heated and passed through a spinner to form strings of yarn.



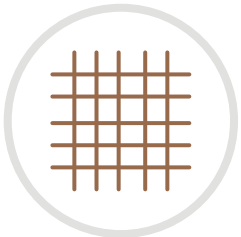
FIBER

This yarn is wound up in spools.



YARN

The fibre is then passed through a crimping machine to create a fluffy wooly texture.



FABRIC

This yarn is then knitted into nylon fabric.

NYLON

Econyl™ is a highly innovative industrial system which enables the substitution of virgin raw materials of a non reusable origin with a raw material of second use derived from recycling various forms of rubbish including fishing nets which are no longer usable.

3

NATURAL PROCESS

Projects

All the research linked to the initiatives highlighted under has been undertaken to place our company in a textile world which is becoming ever more elitist where demand and supply meet up with those companies orientated towards research and the development of new articles. Accordingly, should there be special requests for the development or the production of articles using new fibers, we are prepared to meet the requests of such clients. This is thanks to our production process which enables us to be flexible and rapid in comparison with many of our competitors.



BIO-BASED

Olmetex is finalizing, together with Fulgar in collaboration with the multinational Eronik, a thread with a BIO origin produced using castor seeds:

- greater breathability;
- more thermal insulation;
- 20% lighter;
- bacteriostatic.

BIO- BASED MEMBRANE

Composition: 45% castor oil - 55% Nylon.

Waterproof grade: over 10K.

Breathability grade: 200,000 / 230,000 gl / (m² * 24h).

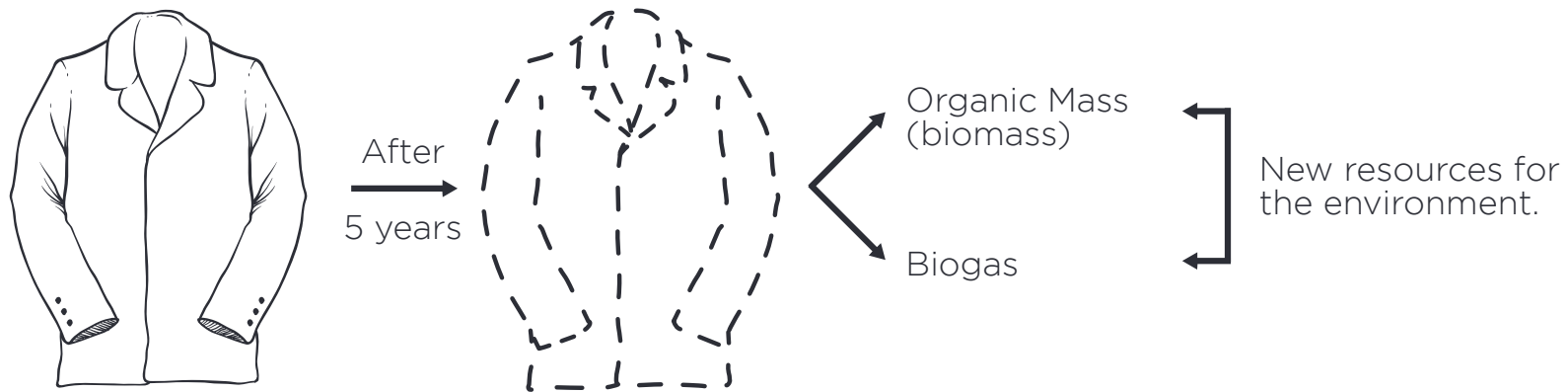


BIODEGRADABLE

Accelerated Decomposition

Olmex, in collaboration with the multinational Fulgar, has created Amni Soul Eco™, a biodegradable thread which can fully decompose, when disposed of, in roughly 5 years, whereas other fibers take decades to decompose.

Amni Soul Eco™, as with other biodegradable products, once in a rubbish pit breaks down into an organic material (biomass) and biogas both of which can be exploited as new resources for the environment and for the eventual generation of electrical energy.



4

OUR CERTIFICATIONS

Documents

WHAT IS MEANT BY ORGANIC TEXTILE PRODUCT?

A product can be defined and certified as BIO when it is made from a natural fiber which are either vegetable or animal.

ORGANIC COTTON and/or BIOLOGICAL

This is a cultivation which is produced using methods with a very limited impact on the environment. In other words, during all the phases of cultivation, harvesting and transformation no synthetic chemicals have been used but only natural products, and the seeds have not been genetically modified. In particular, for the production of organic cotton a biological productive system has been used in order to fertilize the soil, thus eliminating the use of pesticides and chemical fertilizers which are toxic and remain present in both the cotton itself and the environment.



GOTS

Global Organic Textile Standard.

GOTS is recognised as the most important standard for sustainable production of garments and textile products made of natural fibres from organic farming such as organic cotton or organic wool. GOTS covers the full production process such as the raw material (thread), dying and finishing.

GRS

Global Recycled Standard.

GRS is the certification that guarantees the recycled origin of the material used and the least possible environmental impact along the entire production chain, with great attention to ethical aspects.

This family is divided into pre-consumer or post-industrial (eg plastic bottle waste) and post consumer (the same bottles once used by the consumer).

OCS¹⁰⁰

Organic Content Standard.

Is promoted at international level and provides for the issue of an environmental statement by a third party that verify that a final product contains the accurate amount of a given organically grown material. Covers exclusively the nature of the raw material.

OCS^{Blended}

OCS Blended.

The O.C.S. certification Blended applies to all items containing a mixture of organic cotton certified G.O.T.S. and other materials certified for their ecological value, for example, Recycled Polyester. OCS Blended covers exclusively the nature of the raw material.



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