

FULGAR INNOVATION FIBER



Fulgar actively promotes sustainable development with a worldwide team which is over 1,000-strong and represents both our corporate achievements and Italian Excellence.



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FULGAR, as yarn supplier, just contributed with information about their technology in order to better help you. Those information are refer ONLY to the yarn and they can't be use without prior written permission of FULGAR spa

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Concern for the environment, recycling, in a lifestyle green, zero emission is one of the most topical issues and felt by companies in the supply chain as well as final consumers.

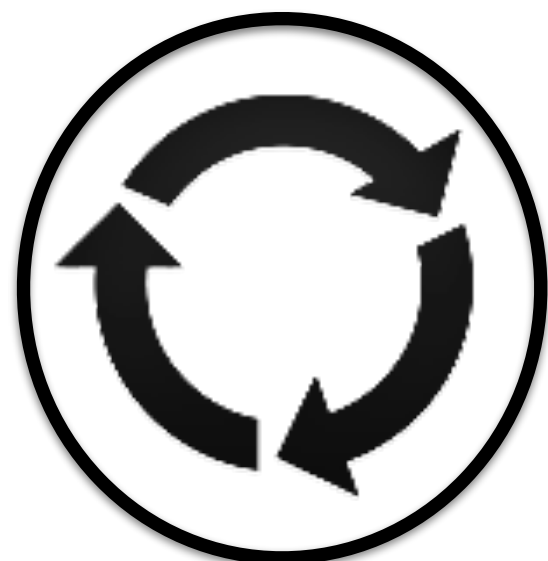
For this, Fulgar has developed a highly eco-friendly fiber, which aims to achieve a reduction of CO2 emission and water consumption.

A BETTER WAY TO THE FUTURE



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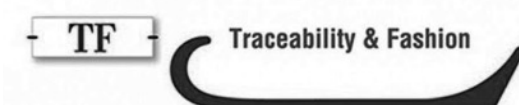
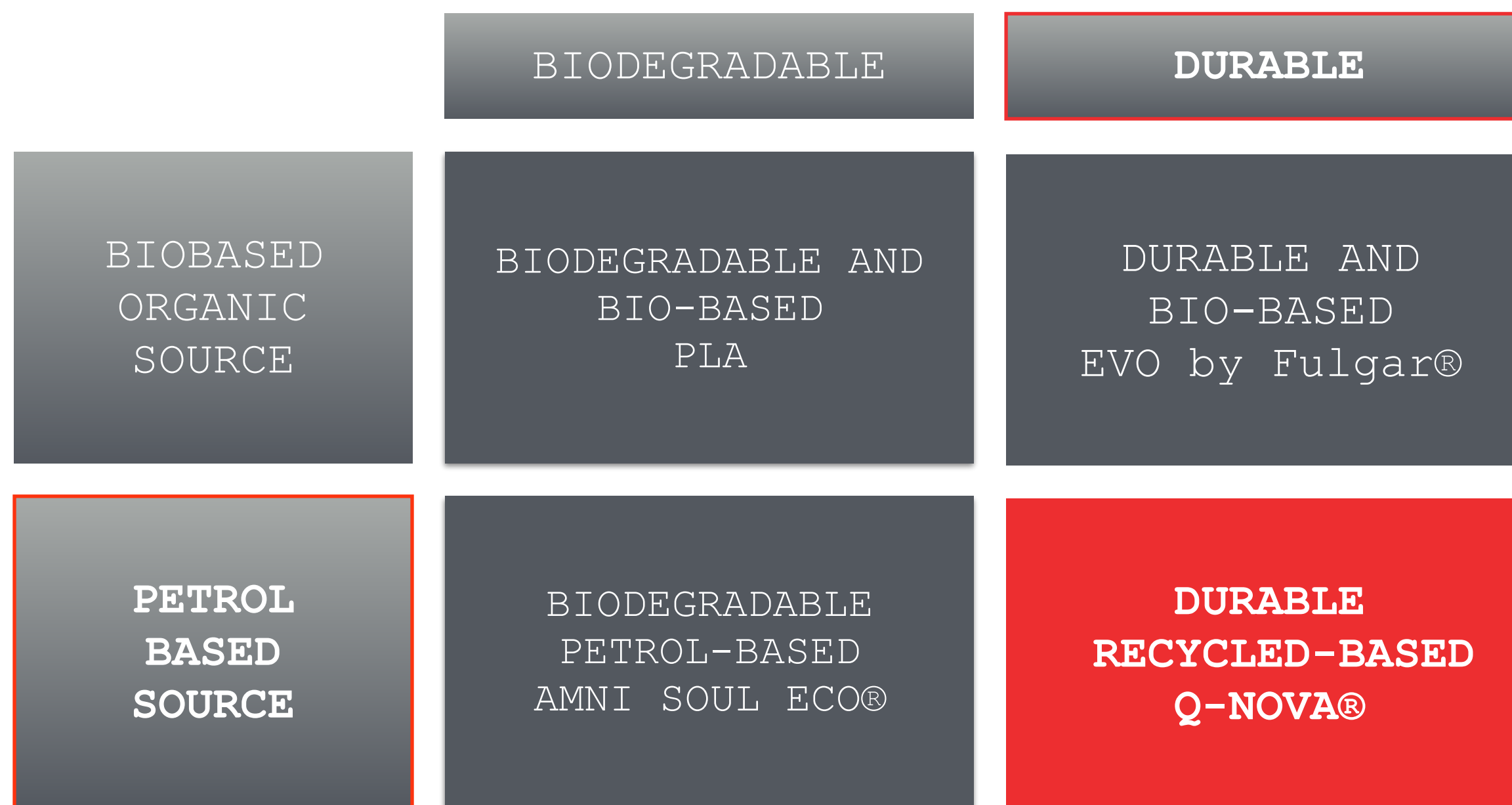




Q-NOVA® by Fulgar®, is a nylon 6,6 fibre obtained exclusively from environmentally friendly raw materials and responds to specific traceability requirements.

Q-NOVA® by Fulgar® is made from waste materials coming from the company's production cycle.

This choice makes it possible to reduce the use of crude oil necessary for the production of the polymer.



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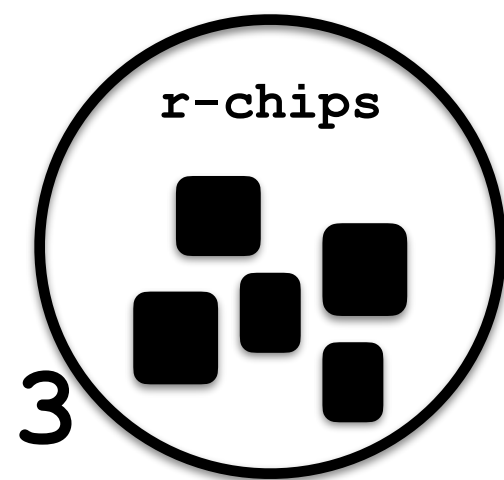
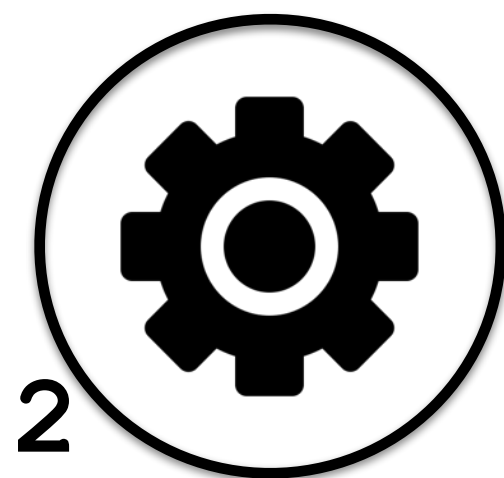
HOW AND WHERE Q-NOVA BY FULGAR® IS MADE OF?

Q-NOVA by Fulgar® utilizes the innovative Melting Continuous Spinning Process.

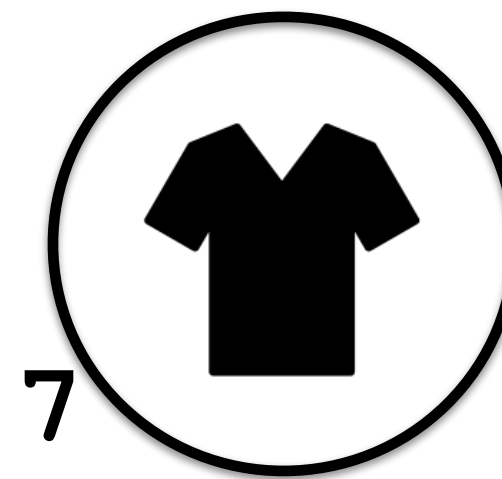
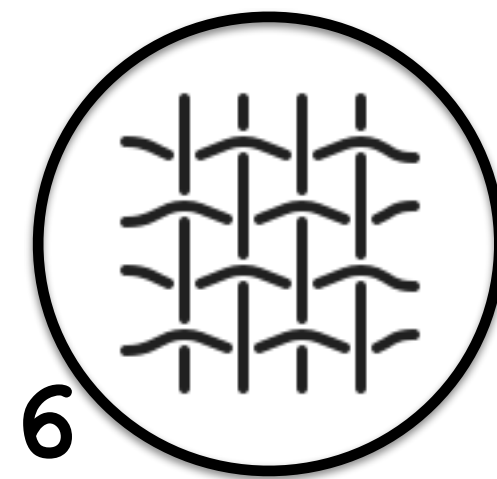
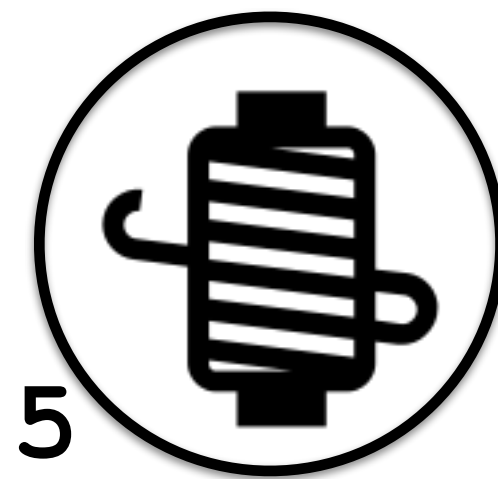
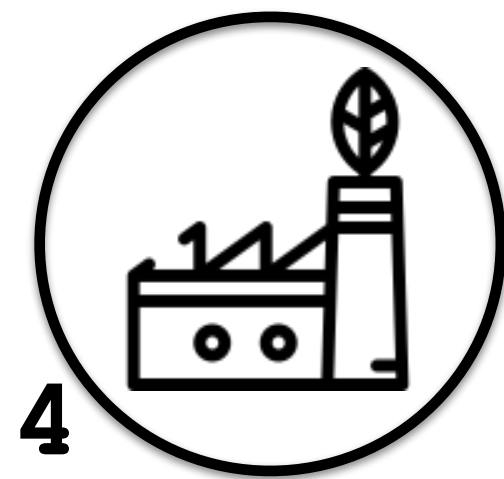
An Italian-based mechanical regeneration system, which does **not involve using chemical materials** that would jeopardize the sustainability of the final product.



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“FROM WASTE TO
Q-NOVA 6,6”

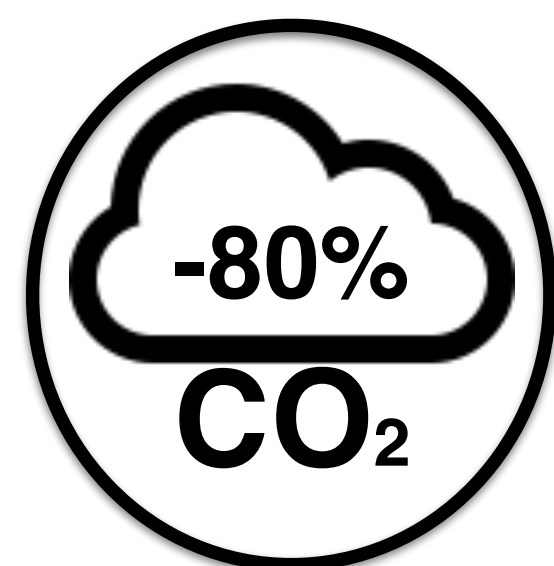


A RESPONSIBLE PROCESS

Q-NOVA by Fulgar® is only from selected waste of production from Fulgar SpA; **these materials could not be re-used in any other way, and should be disposed of as waste externally.**

The selected waste material is remelted through a mechanical process, that regenerates and returns in the form of polymer before moving on to further processing.





DOES AN ENVIRONMENTAL AND CERTIFIED IMPACT STUDY EXIST?

The benefits deriving from lower emissions and reduced water consumption were measured according to the European method **LCA - ISO 14040 and ISO 14044**. **Q-NOVA by Fulgar® slashes CO2 eq. emissions by 80%** and cuts down on litres of water **per kg** of product by 90% as compared to a textured polyamide yarn coming from a virgin polymer.

**EXEMPLE LEGGINS
WEIGHT 150 Gr.**



2,5 Lt (150 gr)

22Lt WATER SAVED

COMPARED TO VIRGIN NYLON 6,6

0,26 CO2 eq emission

1,23 CO2 eq. EMISSION SAVES

COMPARED TO VIRGIN NYLON 6,6

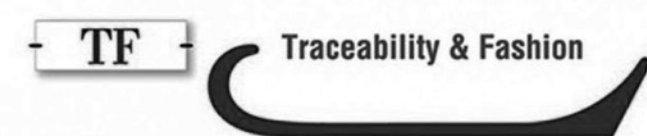


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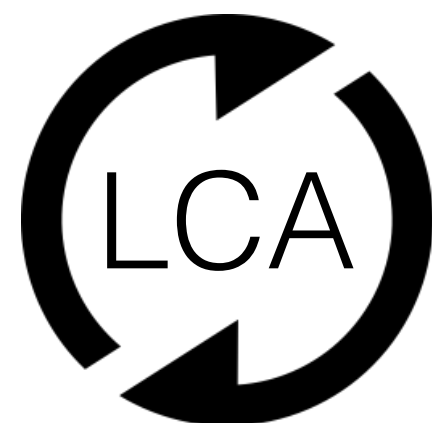


CERTIFICATION

Q-NOVA by Fulgar® is certified and tracked by **Global Recycled Standard**, by European system **ECOLABEL EU**, **TF Traceability & Fashion** and **Oeko-Tex® Standard 100 Class I** appendix 6.



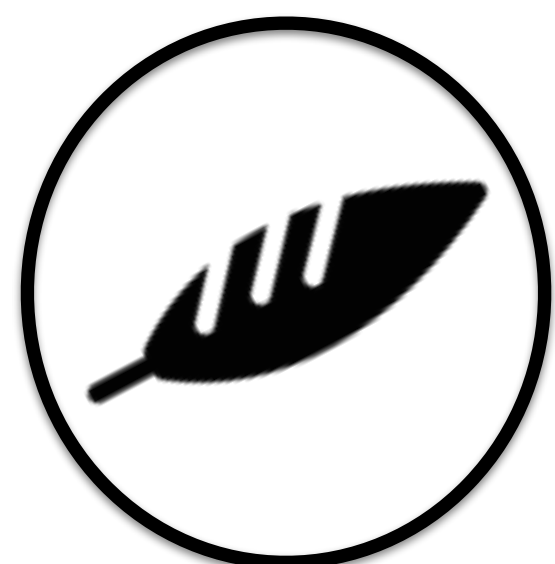
In addition, Q-NOVA by Fulgar® has been evaluated by **HIGG INDEX** and **LCA** standards.



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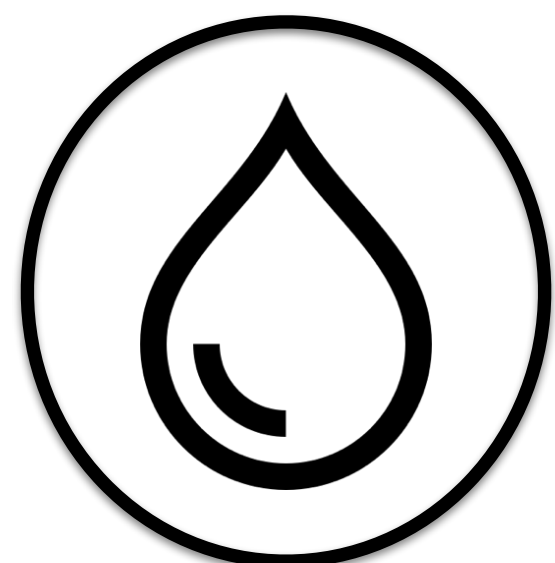
1,14 gr/cm³ Q-NOVA

1,34 gr/cm³ PES

1,54 gr/cm³ CO

LIGHTNESS

Thanks to Q-NOVA by Fulgar® is possible to **reduce the specific weight** respect to Polyester and Cotton and maintains the same coverage power.



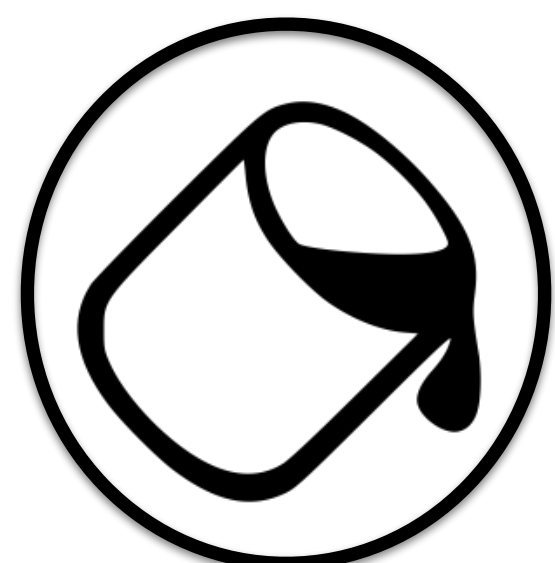
0,40 % PES

4,00 % Q-NOVA

8,00 % CO

MOISTURE MANAGEMENT

Q-NOVA by Fulgar® has a **good moisture management property**, this feature help to maintain the freshness and hygiene of the skin.



COLORS AFFINITIES

Q-NOVA by Fulgar® is designed to obtain the maximum dye-ability performance. Fabrics and garments made with **Q-NOVA by Fulgar® can be dyed with levels of wet fastness as standard Polyamide 6,6.**



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GUIDELINES FOR PACKAGING AND OTHER MARKETING TOOLS

1. Always make reference to the trade name of the yarn;

*GARMENT CONTAINING Fulgar's recycled Q-NOVA® FIBRE
THIS GARMENT CONTAINS Fulgar's recycled Q-NOVA® YARN
or if contained in a piece of apparel:*

*BREATHABLE INSOLE MADE WITH Fulgar's Q-NOVA® and featuring comfort-wear properties
GUSSET MADE FROM Fulgar's Q-NOVA® FIBRE*

2. Other Terms to be used in the description of clothing items and apparel

- Q-NOVA® by Fulgar is a recycled yarn.
- Q-NOVA® by Fulgar is a recycled yarn obtained by using a traceable and certified system.
- Q-NOVA® by Fulgar is a recycled yarn which uses a traceable and certified system leading to less waste and consumption of resources.
- Q-NOVA® by Fulgar is a recycled yarn using an ethically sourced process with a low impact on the environment in terms of CO2 and water used.
- The Q-NOVA® fibre by Fulgar has been made using a mechanical process with a low impact on the environment.

3. Always indicate the % of yarn used (always check the country of destination)

E.g.

90% Polyamide (Q-NOVA® by Fulgar) 10% Elastomer (LYCRA®)
or add: 90% Q-NOVA® 10% LYCRA®

Q-NOVA® by Fulgar is a registered FULGAR spa trademark



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Q-NOVA by Fulgar®

FAQ



What is Q-NOVA®?

Q-NOVA® is an environmentally-sustainable recycled Nylon 6.6 fibre obtained exclusively from regenerated raw materials in accordance with present-day traceability criteria and requirements.

What is Q-NOVA® made from?

Q-NOVA® is made from waste materials coming from the company's main production cycle. These materials could not have been reused in any other way and would have otherwise been disposed of as external waste.

Is Q-NOVA® recycled sustainably?

Yes, Q-NOVA® utilizes the innovative MCS process - a locally-based mechanical regeneration system which does not involve using chemical materials which would detract from the sustainability of the end product.

What percentage is there of recycled materials?

99% of Q-NOVA® fibre comes from recycled materials.

Is Q-NOVA® certified?

Yes, Q-NOVA® is certified and traced by the Global Recycle Standard system, the European ECOLABEL EU system and by the OEKO-TEX STD 100 CLASS I system. All these certifications vouch for the integrity of the fibre.

Does an environmental impact study exist?

Yes, the benefits deriving from lower emissions and reduced water consumption were measured according to the European method LCA - ISO 14040 and ISO 14044. Q-NOVA® slashes CO2 eq. emissions by 80% and cuts down on litres of water per kg of product by 90% as compared to a textured polyamide yarn coming from a virgin polymer.

How is it specified on the label?

Q-NOVA® falls under the polyamide (PA) goods class. If desired, the fact that Q-NOVA® is made using recycled fibres and/or its performance can be mentioned on the packaging and on any informative material. **It is necessary to indicate the relevant % and the product's commercial name. E.g.** This garment contains the Q-NOVA® by Fulgar recycled fibre.

Are there any specifications regarding the use of the logo?

Yes, there are some specifications. Use of the logo is governed through the relevant request form.

Are there any tags?

Yes, it is possible to request tags through the brand usage request form.



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