



INTELLIGENT MATERIALS FOR THE FUTURE OF TEXTILE

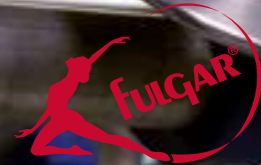


Fulgur actively promotes sustainable development with a worldwide team which is over 1,000-strong and represents both our corporate achievements and Italian excellence.



POLYMER - BREAKDOWN

	BIODEGRADABLE	DURABLE
BIOBASED	BIOLOGICALLY DEGRADABLE AND BIO-BASED - E.G. PLA	RESISTANT AND BIO-BASED - E.G. EVO®
PETROLEUM BASED	BIOLOGICALLY DEGRADABLE BUT PETRO-BASED - E.G. AMNI SOUL ECO®	CONVENTIONAL POLYMERS AND RECYCLED E.G. ALL POLYMERS Q-NOVA®



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.

1. 99% RECYCLED YARN FROM POST-CONSUMER WASTE - EX. POLYESTER FROM PLASTIC BOTTLES

2. 99% RECYCLED YARN FROM PRE-CONSUMER WASTE

3. MIX OF YARNS WITH A RECYCLED CONTENT LESS THEN 99%

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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 used without prior written permission of FULGAR spa

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WHAT DOES PRE-CONSUMER RECYCLED MEAN?

Pre-consumer recycling is when the materials of manufacturing do not reach a consumer and are recycled. Pre-consumer recycled materials can be broken down and remade into similar or different materials, or can be sold "as is" to third party buyers who then use those materials for consumer products. One of the largest contributing industries to pre-consumer recycling is the textile industry which recycles fibers.



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.

- 100% FULGAR YARN WASTE
- 100% SELECTED, IN ORDER TO OBTAIN THE BEST QUALITY

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IS Q-NOVA® RECYCLE SUSTAINABLY?

Q-NOVA® utilises 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.

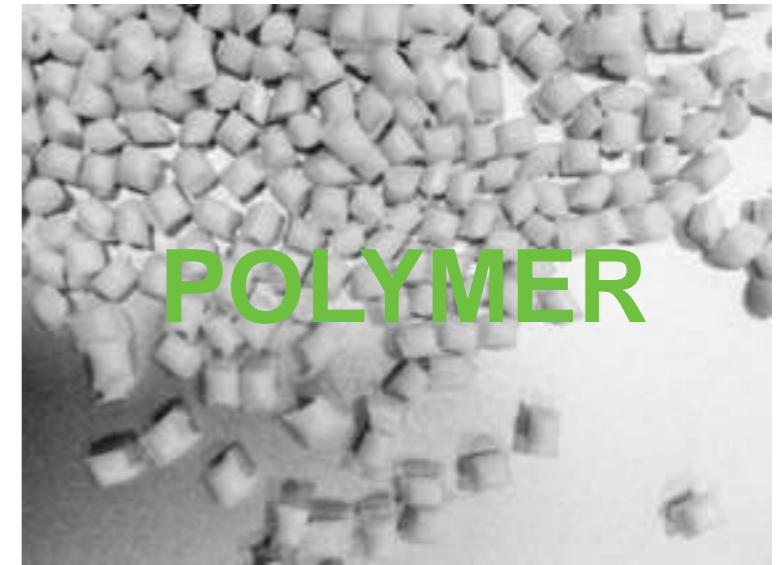
MCS PROCESS STEP BY STEP



WASTE



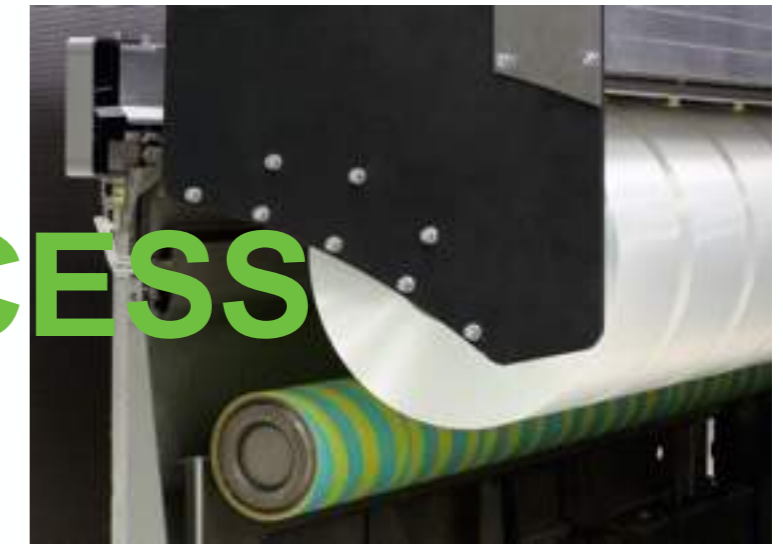
MCS Q-NOVA



POLYMER



SPINNING PROCESS



TEXTURED
FLAT
COVERED
TASLAN



BOBBIN

#THEFUTUREISFULGAR



FABRIC



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 FULGAR polyamide yarn coming from a virgin polymer.



-80%* Emission of CO2 eq.



-90%* Water Consumption

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PERFORMANCE IN PERFECT
HARMONY WITH THE ENVIRONMENT

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LIGHTNESS

1,14

gr/cm³

With Q-NOVA® is possible to reduce the specific weight by 25% and maintains the same coverage power.

COTTON
1,54

PES
1,34

PA 6,6
1,14



MOISTURE MANAGEMENT

4%

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



CO
8%



PA6,6
4%



PES
0,4%

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COLOUR AFFINITIES



Q-NOVA® is designed to obtain the maximum dyeability performance. Fabrics and garments made with **Q-NOVA®** can **be dyed** with levels of wet fastness higher than standard Polyamide 6,6.



**PRODUCT
PROCESS
SAFETY ON WORKPLACE**



**PRODUCT
PROCESS**



PRODUCT

**LCA
ISO 14040 e ISO 14044**

**PRODUCT
PROCESS**

CERTIFICATION*

** The environmental certifications are to be referred exclusively to the product Q-Nova® fiber ONLY. You can not in any way use these symbols on the pack or any marketing tools , without the authorization of the competent institution after certification and verification of the fabrics or finished garments.*

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® utilises 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® 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.



THE FUTURE IS FULGAR
PRECIOUS YARNS FOR FASHION AND SPORTSWEAR

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FULGAR S.P.A. is a yarn manufacturer and is only responsible for the information relating to its own technologies. The contents of this presentation always refers to the fibres themselves.