

# N&F

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## NATURE and FIBER

A world where nature and mankind co-exist  
- that is the future that Nature and Fiber dreams of.

**NF** Nature and Fiber

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**NF** Nature and Fiber

# A fiber industry in Korea that preserves the environment, Nature and Fiber takes the lead



With its environment-friendly technologies, Nature and Fiber has forayed into numerous markets around the world.

## A world where nature and mankind co-exist, that is the future what Nature and Fiber dreams of.

Since its establishment in 2006, Nature and Fiber has developed and produced a variety of fiber goods. Moreover, in an attempt to resolve issues of environmental pollution caused by plastic that inevitably occur in the manufacturing of various fiber products, the company uses plastic waste and the latest technologies to manufacture recycled fiber.

Nature and Fiber's products based on proprietary technologies and environment-friendly manufacturing processes are exported worldwide thanks to the positive reception from customers and are used in a wide range of industries including for furniture, filling of clothing, engineering fiber, stuffed toys and purification products.

As environmental pollution caused by plastic continues to aggravate, Nature and Fiber is committed to becoming a corporation that leads the movement for environmental preservation. Through certifications such as OEKO-TEX and GRS (GLOBAL RECYCLE STANDARD), the company has been recognized as a leader in environment-friendly engineering methods.

Nature and Fiber strives to become a global leader in the fiber industry by realizing values that go beyond manufacturing of products and towards sustainable growth.

### Company history

- 2006 12 N&F Co., Ltd. is established
- 2007 04 Certified as a venture corporation  
08 Entered the Russian market
- 2008 08 Acquired ISO 14001(certification for environmental systems)  
ISO 9001 (certification for quality systems)  
12 Awarded for 5 million dollars in exports
- 2009 12 Entered the African market
- 2010 03 Entered the Southeast Asian market
- 2011 02 Entered the European market  
12 Awarded for 10 million dollars in exports
- 2012 12 Certified as an innovative SME
- 2016 05 Certified for OEKO-TEX
- 2019 08 Certified for GRS
- 2020 06 Selected as a global small giant company

### Certifications and awards



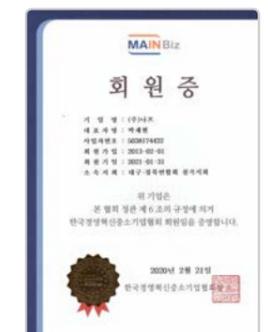
GRS



ISO 9001



OEKO-TEX



MAIN-BIZ



## Nature and Fiber's Polyester Staple Fiber; be loved worldwide, is created with the strictest quality management system

Nature and Fiber's Polyester Staple Fiber, which is made with thorough quality control and thorough production supervision, is produced with delicate management of every fiber and every small ingredient, and is created as a special product that can be sympathized with the world through the efforts to protect the environment.

### Product manufacturing process

01



#### Mixer

- Polymers are placed in a measuring cup for measurement.

02



#### Drying

- Raw materials are dried for about 3 hours in a coil dryer set to 170-180 degrees to remove any moisture.

03



#### Extruder

- The dried raw materials are melted and then spun through the nozzle.
- The filament is cooled to prevent tangling and improve the soft touch.

04



#### Can winder

- Adjust a Denier by holding tow with a can winder.

05



#### Drawing

- Orientation is done a total of 3 times at different temperatures to increase the strength of the filament.

06



#### Crimping

- Place wet filament inside a setting machine and dry with hot air for crimping.

07



#### Tenter

- Dries oriented products.
- Extends the length of the tenter to improve the products's fixability.

08



#### Cutting

- The products are sprayed anti-static agent.
- The product is cut according to the specifications in the product order.

09



#### Packaging

- The produced goods are packaged.

10



#### Product release

- The packaged products are loaded onto a container and released from the warehouse.

# Product Introduction

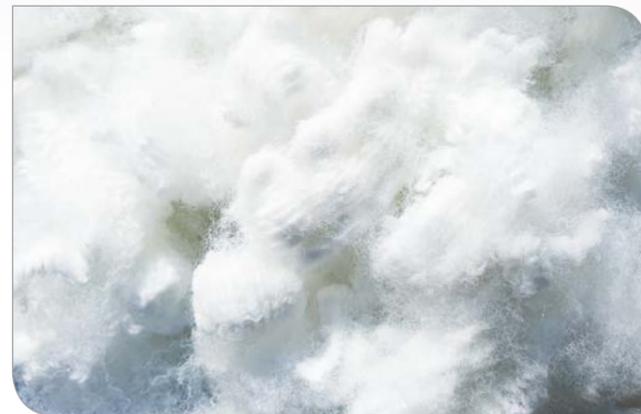
## N&F Polyester Staple Fiber

Nature and Fiber's P.S.F. is produced based on excellent technology and boasts excellent quality. Due to its durability and strength, it is widely used in clothing, industry, agriculture, and architecture. Its area is expanding further as the use of eco-friendly recycled fiber increases.



### Polyester Staple Fiber

- Grade : Virgin, Semi-Virgin, Super-A
- Type : Solid, Hollow, Harsh, Siliconized/Non-Siliconized, Slick, Snow touch
- Color : White
- Denier : 3D - 40D
- Cut length : 32mm - 102mm



### Purpose



Padding



Stuffed toys



Mattress



Bedding Material



Water purifier filter



Nonwoven fabric

## Products

### Virgin

	Solid	Hollow
Denier	3D-40D	6D-15D
Cut length	32mm-102mm	

#### 3D



#### Solid



#### Hollow



### Regenerated Solid

	Semi-Virgin	Super-A
Denier	3D-40D	
Cut length	32mm-102mm	

#### Semi-Virgin



#### Super-A



### Special Spec

- Harsh
- Siliconized/Non-Siliconized
- Slick
- Snow touch