

COMPANY PROFILE

 ENGLISH

MISSION



The goal of yesterday, today and tomorrow is to be our customers' essential partner for the realization of their creative/productive process.

By guaranteeing customers the widest range of products on the market, the highest standards of quality, pre-and post-sale technical assistance, and fast, on-time service, we put ourselves forward not as simple supplier but as a solid partner, a reliable, expert leader in the masterbatch sector.

1948

Founding of Frilvam plastics. The plant is located in Lainate, while the offices are on Corso Venezia, in downtown Milan

1950

First compounds and technopolymers are produced for Montedison

1972

Inizia una collaborazione che avrà durata decennale con Montecatini (e, ancora, con Montedison) per la produzione di tecnopolimeri caricati e additivati

1978

The first lots of colored Masterbatches come out of the Lainate plant

1989

Frilvam enters into a partnership with SNIA

1991

The technopolymer branch is definitively sold to SNIA. Frilvam begins the production and specific development of the Masterbatch sector in Italy and abroad

2003

Birth of Frilvam France, specialized in the production of colored Masterbatches for technopolymers

2004

Acquisition of Speedy Master, located in Formigine (Modena), specialized in the production of tailor-made colored Masterbatches, with a reputation for fast and punctual customer service

2013

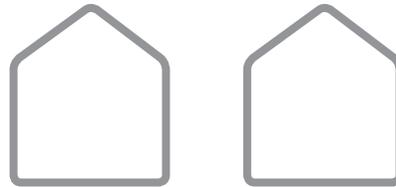
Birth of the Frilvam Group

2016

Last year Frilvam generated over €40 million in revenues. Its Masterbatches, produced in three different plants, have been distributed in roughly 50 countries around the world.

ABOUT US

70 YEARS IN BUSINESS



EMPLOYEES

100 

3
LOCATIONS

45 MILLION EUROS
TURNOVER

18 THOUSAND TONNES
PRODUCTION CAPACITY

TARGETTED INNOVATION
revolutionary solutions
that make the customer
successful!

**ETHICS WITHOUT
COMPROMISE**

We are committed to
always doing the right
thing, every day!

ABOUT US

A company that's international in scope, but with the heart and customer service of a family-run operation. That's Frilvam, with 70 years of experience in the coloration and additivization of thermoplastic polymers and, today, an Italian leader in the production of Masterbatches in black, white, in color or with special-effects, and biodegradables, as well as a wide range of additive Masterbatches to meet all the most specific needs.

Founded in the first years after World War II, Frilvam, based in northern Italy in **Milan**, began by marketing **neutral and colored thermoplastic resins** made by other manufacturers, but soon set up **its own plants for the production** of sample color products.

The customer service and continuous research and development that characterized its business right from the start quickly turned Frilvam into an important player in the field of **technopolymers** and charged and colored **compounds**. With the experience and know-how accumulated over the years, it eventually presented its **own line of Masterbatches** for thermoplastic resins.

Today, Frilvam is a **leader** in the **Masterbatch** sector; technologically advanced, it stands out for a significant **flexibility of production** which makes it capable of satisfying clients' every need in the most wide-ranging sectors of application.

With its own internal **Chemical Lab**, its relentless **R&D** work, and a territorial diversification with the opening of **plants** in **Modena** and **France**, Frilvam founds its business on listening and understanding the needs of its customers, who are always viewed as partners with whom to decide on the most suitable formulations for every specific need. Our extensive experience, moreover, also allows us to offer our customers support from a **normative and legislative standpoint**, a service which is customized according to the country in question.

The **UNI-EN ISO 9001:2008** certification guarantees Frilvam's quality and the reliability of its products. But most of all it is customer satisfaction that makes our company proud of its **70 years of activity**. An international outlook, but with the heart of a family that's always committed, every day, to doing the right thing.

A company that's international in scope, but with the heart and customer service of a family-run operation.



MARKET COVERAGE

A central green globe is surrounded by three circular callouts, each containing a factory icon and a plus sign. Lines connect these callouts to the globe. The background is green with white clouds and plus signs.

Scentrier | FR

Nerviano | IT

Modena | IT

Frilvam has a capillary presence on several major world markets. The products from the three sites in Nerviano, Scentrier and Formigine reach all European countries, the company's main market.

Frilvam's presence is also well established in South America and North Africa. The markets in the Middle East, Russia and the Far East are also expanding.

MARKET COVERAGE

EUROPE

ALBANIA
AUSTRIA
BELGIUM
BOSNIA HERZEGOVINA
BULGARIA
CROATIA
DENMARK
ESTONIA
FINLAND
FRANCE
GERMANY
GREECE
IRELAND
ITALY
KOSOVO
LATVIA
LITHUANIA
POLAND

PORTUGAL
ROMANIA
RUSSIA
(FEDERATION OF) SAN
MARINO
SERBIA
SLOVAKIA
CZECH (REPUBLIC)
SLOVENIA
SPAIN
SWEDEN
SWITZERLAND
THE NETHERLANDS
PRINCIPALITY OF MONACO
UK
TURKEY
UKRAINE
HUNGARY

AFRICA

ALGERIA
EGYPT
KENYA
MOROCCO

SENEGAL
TUNISIA
SOUTH AFRICAN REPUBLIC
REUNION

AMERICA

ARGENTINA
BRAZIL
CHILE
COLOMBIA
ECUADOR
MEXICO
PERU

OCEANIA

NEW ZEALAND

ASIA

SAUDI ARABIA
ARMENIA
CHINA
SOUTH KOREA
UNITED ARAB EMIRATES
INDIA
IRAN
ISRAEL
LEBANON
OMAN

PAKISTAN
QATAR
TURKEY
UZBEKISTAN
VIETNAM
HONG KONG
SHARJAH
THAILAND

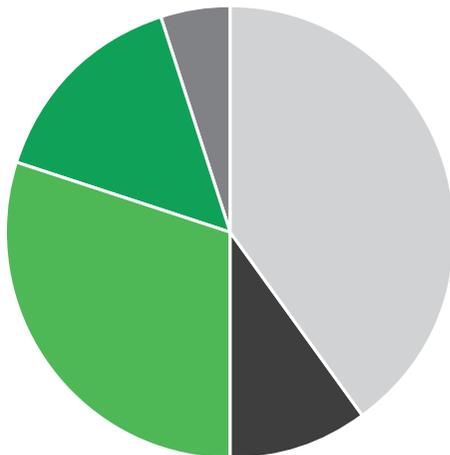


ITALY, MILAN



PRODUCTS

- 40% Whites
- 10% Blacks
- 30% Additives
- 15% Colors
- 5% Other



SERVICES

- ✓ Technical Assistance
- ✓ Customer Care
- ✓ R&D
- ✓ Regulatory Department
- ✓ Chemical Lab

location NERVIANO

This is the company's principal location.

Over an area of 20,000 sq.m and with its 15,000 tonnes/year of production capacity,

Nerviano houses the entire production of Whites and Additives masterbatches.

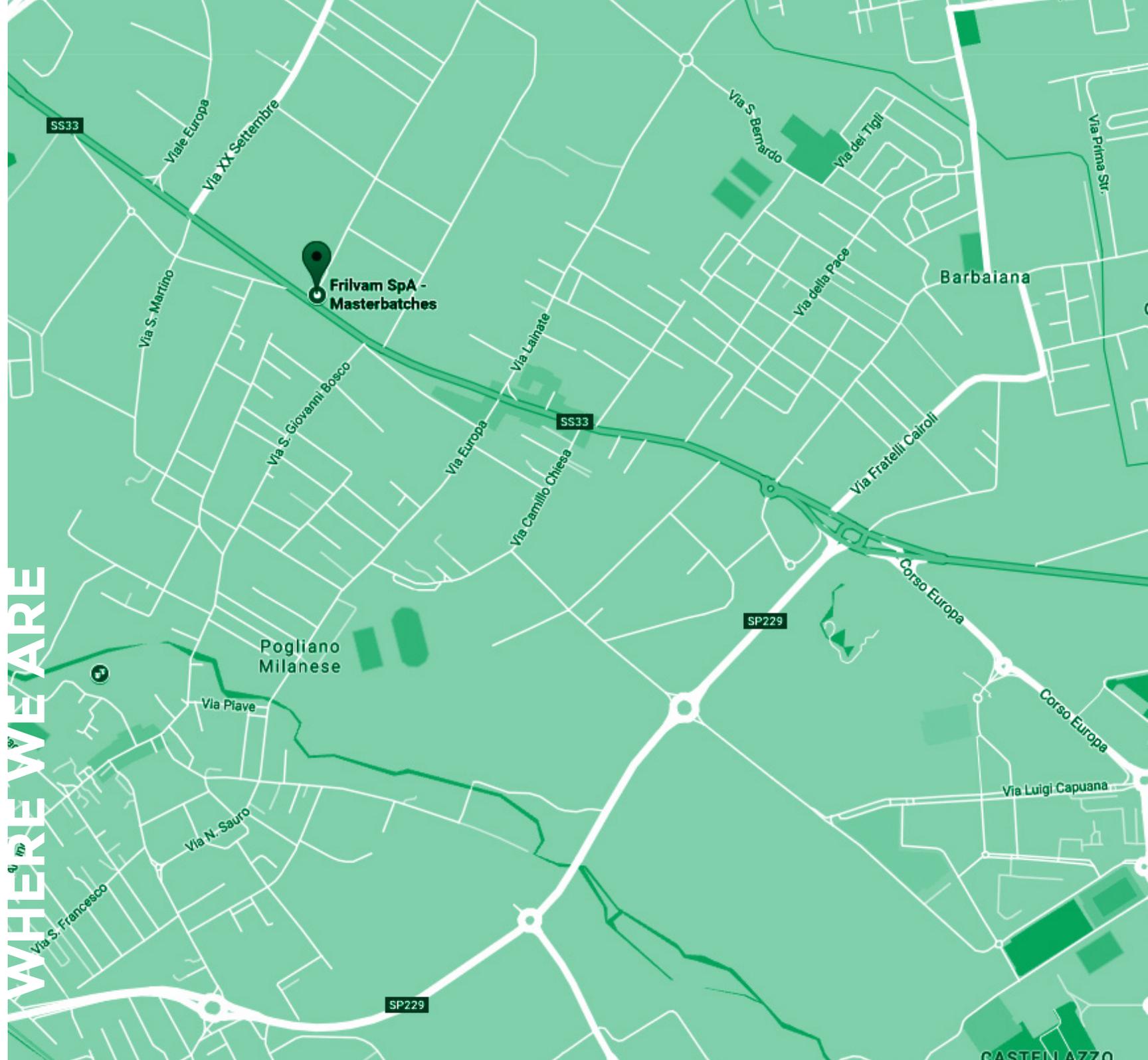
11 Colours master-batches lines, on the other hand, ensure flexibility, as well as prompt and punctual service to customers.

Here are located the chemical lab, the regulatory department, the dedicated technical assistance center, as well as the executive offices.

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WHERE WE ARE

ITALY, MODENA



PRODUCTS

- 25% Color Samples
- 20% PANTONE Colors
- 20% RAL Colors
- 15% NCS Colors
- 15% Additives
- 5% Fragrances



SERVICES

- ✔ Technical Assistance
- ✔ R&D
- ✔ Tailor-made Service
- ✔ Chemical Lab
- ✔ Quick Delivery
- ✔ Customer care

location FORMIGINE

Since 2004 it has been an integral part of the Frilvam S.p.A. group. It extends over roughly 1,500 m² in the heart of an important industrial district in the province of Modena.

It's characterized by a streamlined and highly efficient structure, with the aim of guaranteeing prompt and precise service to all its clientele who, in addition to the quality of the product, also demand solutions for personalized

applications.

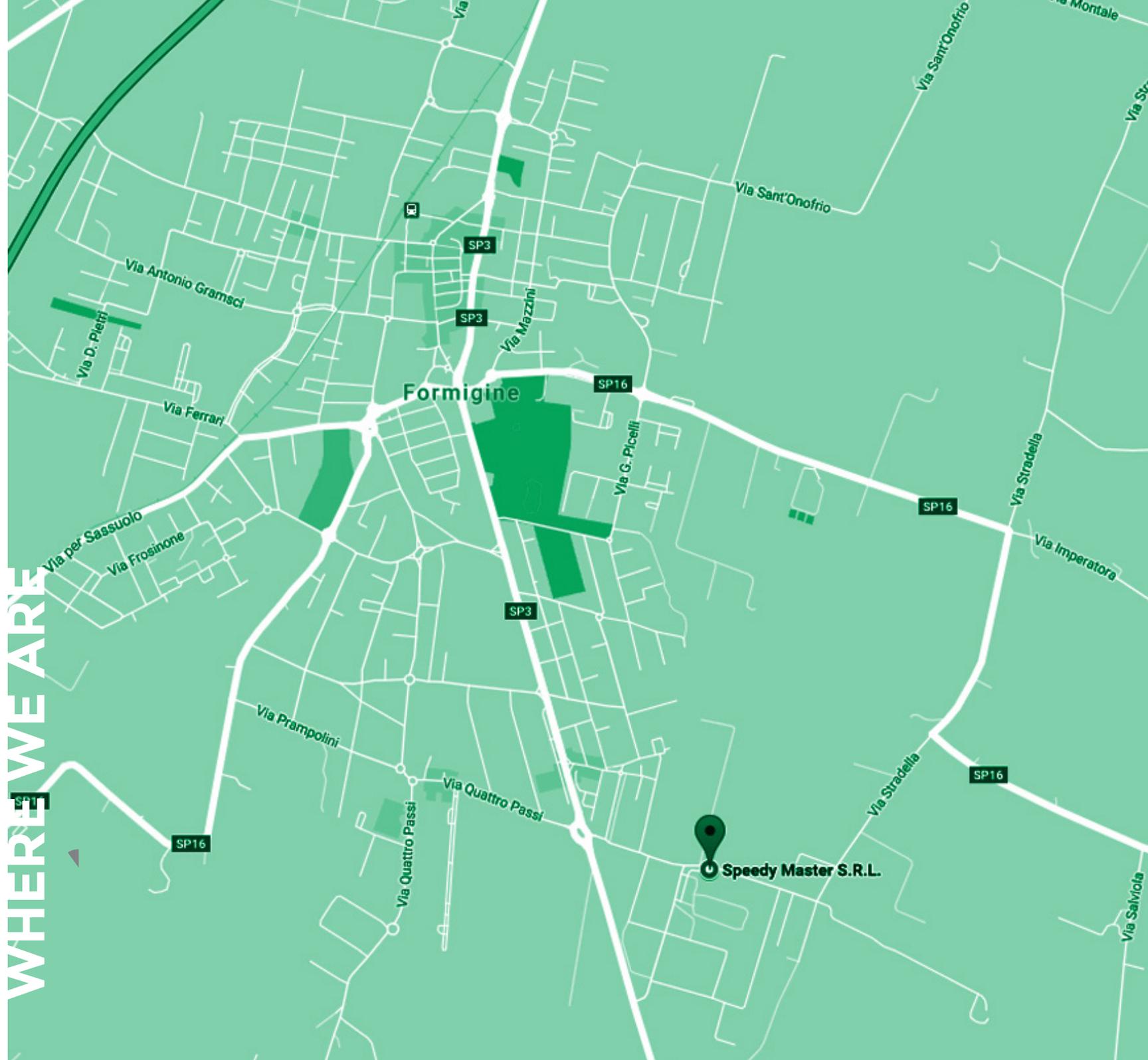
Speedy Master specializes in the production of coloring agents and additives for the principal thermoplastic resins.

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WHERE WE ARE



FRANCE, SCIENTRIER



PRODUCTS

- 25% Color Samples
- 20% PANTONE Colors
- 20% RAL Colors
- 15% NCS Colors
- 15% Additives
- 5% Fragrances



SERVICES

- ✓ CDC
- ✓ R&D
- ✓ Technical Assistance
- ✓ Chemical Lab
- ✓ Tailor-made Service
- ✓ Customer care
- ✓ Quick Delivery

location SCIENTRIER

Opened in 2003, Frilvam France is Frilvam S.p.A.'s point of reference for the French market, as well as neighboring countries. Thanks to an agile structure, and strategic geographical position in the so-called "Valley of Plastics" which extends from Geneva to Lyon, it guarantees quick delivery both in France and elsewhere in Europe.

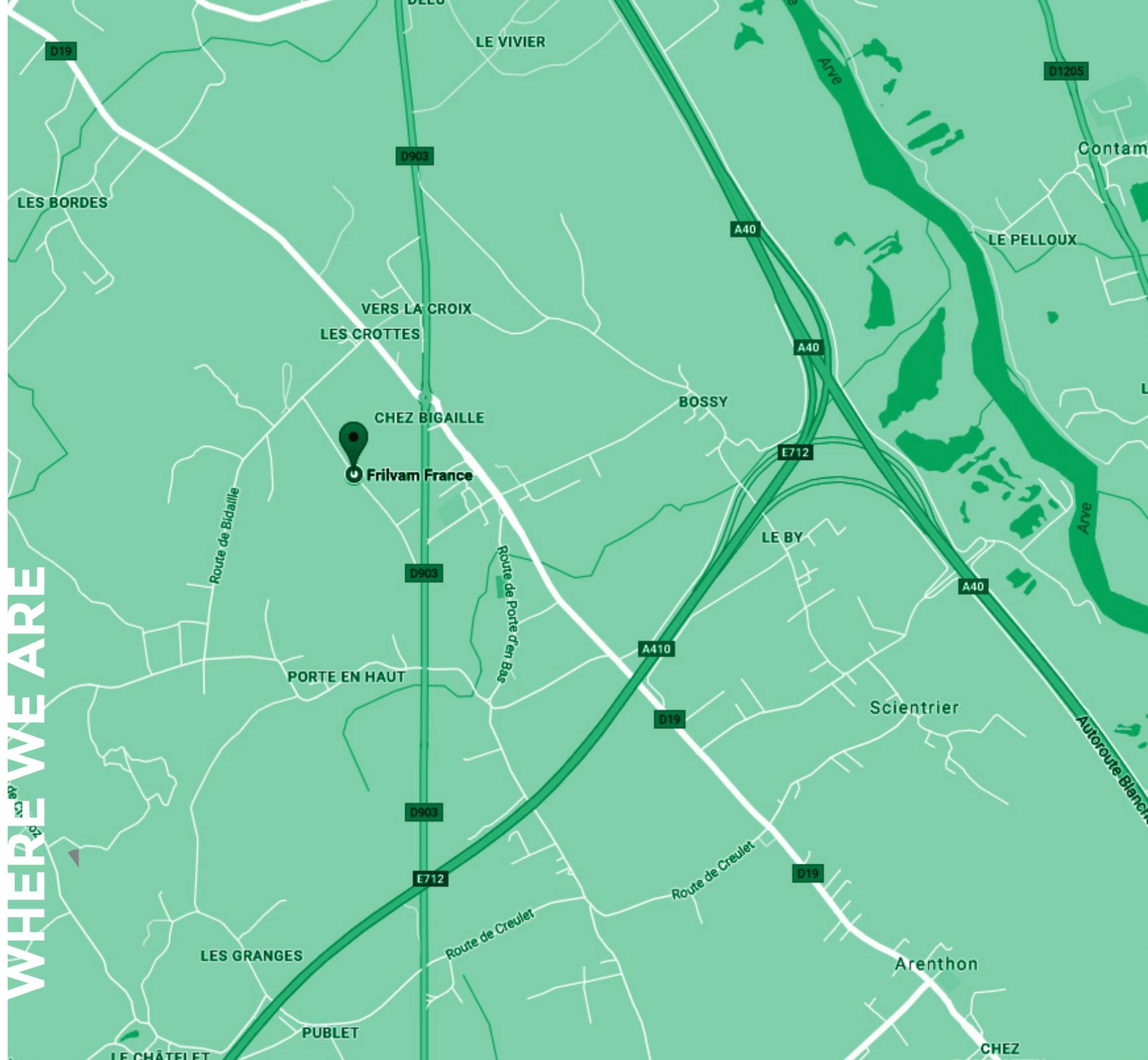
The structure extends over an area of roughly 1,500 m² and employs 12 people between management, laboratories and production. Frilvam France specializes in the production of colored masterbatches and additives on PE, PP, and PS bases and on technopolymer bases (ABS, PC, SAN, PET, PETG, PA, PBT, PMMA, SURLYN).

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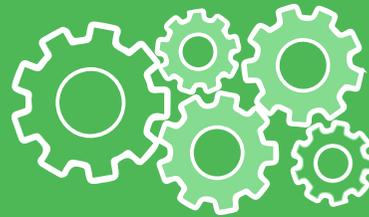
KEY POINTS

Organizationally dynamic and ready to meet the most diverse customer demands, Frilvam is a modern company that's technologically advanced, but with a know-how accumulated in 70 years of experience.

WHAT ARE ITS MAIN STRENGTHS? SEE FOR YOURSELF!



1. PRODUCT RANGE



2. PRODUCTION FLEXIBILITY



3. TECHNOLOGICAL EVOLUTION



4. PACKAGING SOLUTIONS



5. CUSTOMER CARE



6. REGULATORY

KEY POINTS

1 PRODUCT RANGE

Masterbatches in black, white, with colors and special effects, in addition to the widest possible range of additives on the market. Frilvam offers a truly enormous spectrum of solutions, able to meet the most diverse customer needs with speed and precision.

2 PRODUCTION FLEXIBILITY

18,000 tons of production yearly, 30 extruders, 100 employees, 3 locations ... These numbers attest to Frilvam's organizational capacity and allow it to quickly satisfy any request from even the most demanding clientele.

3 TECHNOLOGICAL EVOLUTION

You don't stay at the top of a sector as competitive as masterbatches for over half a century without continuous updating and development. Frilvam has always dedicated a great deal of time and significant resources to new technologies for its systems and tools, aiming to achieve constant technical and productive improvement as well as increased efficiency.

4 PACKAGING SOLUTIONS

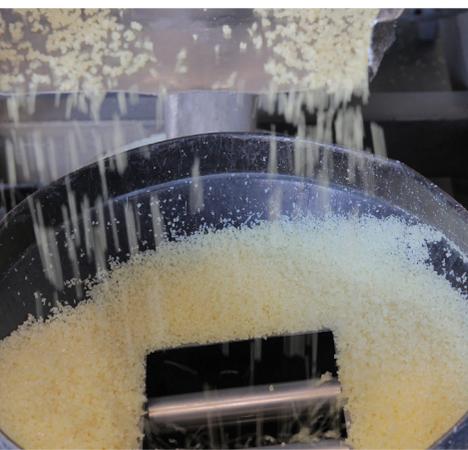
We're open to all sorts of requests! In fact, the great flexibility of Frilvam's production systems provides the possibility of satisfying any and all customer needs, supplying wooden pallets, fumigated pallets, EUR-pallets, 15-25 kg sacks, big bags, octabins, boxes ... with the additionally possibility, on request, of arranging the pallets in advance for external storage.

5 CUSTOMER CARE

Combining products of the highest quality with constant and efficient customer service: this is Frilvam's philosophy. We view the people with whom we do business not as simple "customers," but as partners who should be directly involved in the updating of technologies and products, in order to find the best solutions to satisfy every need - together.

6 REGULATORY

In addition to product quality, another key element for staying on top of the masterbatch market is expert knowledge of the legislation and regulatory apparatus of the various countries where our work will end up. Well aware of this, Frilvam has a special office to support its customers in familiarizing themselves with the laws and parameters that a product must respect in order to be marketed in a given country. This way, the masterbatches and, consequently, the final products are created specifically in view of their final destination, thus avoiding the danger of blocks or prohibitions and satisfying the needs of every single customer and every single type of production in total safety.



REGULATORY

The extensive experience that Frilvam S.p.a. has accumulated over the years in the normative field has allowed it to help its customers achieve compliance in highly regulated sectors.



REGULATORY

Within its wide range of products, Frilvam offers solutions that have been **studied specifically for suitability to contact with food**, formulated exclusively with substances listed in UE Regulation N° 10/2011.

We work in synergy with our customers, in order to satisfy together the expectations of end users in terms of **safety, sustainability, performance and convenience** across nearly every market worldwide.

We take it upon ourselves to add value to our customers' business with products of the highest quality, guaranteed by a certified Quality Control System according to **UNI EN ISO 9001:2008**.



CHEMICAL LAB



**QUALITY
CONTROL**

TECHNOLOGIES

**FTIR
UV SPECTROSCOPY
COLORIMETRY
MICROSCOPY
GLOSS METER
DSC
THE KARL FISCHER
METHOD
MFR**



CHEMICAL LAB

THE TECHNICAL HEART OF THE COMPANY.

The technical heart of the company. Here the experience and skill of our qualified personnel unite with the sector's most cutting-edge technologies for analysis (**ATR-FTIR, UV Spectroscopy, Colorimetry, Microscopy, gloss meter, DSC, the Karl Fischer Method, MFR**) and processing (**injection molding presses, bubble film machine, casting, twin-screw extruders**). Only from this combination can you achieve top performance, with a constant eye to continuous innovation for an increasingly demanding market.

Quality Control

Capping things off at this sector leader is the Quality Control Department, which guarantees the uniformity and quality of production through a verification program that covers the products' entire range of properties.

COLOR DEVELOPMENT CENTER



①

CUSTOMERS NEED A SPECIFIC COLOR, THEY EXPLAIN THEIR NEEDS TO THE FRILVAM TECHNICIANS, THE LABORATORY PRODUCES THE PROOFS

②

THE CUSTOMER CHECKS THE WORK UNTIL THEY FIND THE COLOR/EFFECT THEY WANT

③

FRILVAM DELIVERS THE REQUESTED COLOR AND A SAMPLE TO THE CUSTOMER. ALL IN THE SPACE OF ONE DAY.



The Color Development Center is one of the feathers in Frilvam's cap, a **service** capable of **presenting the customer with the formula and a sample of the exact color requested within 24 hours**. The outline of the process is very simple:

Customers need a specific color, they explain their needs to the Frilvam technicians, the laboratory produces the proofs.

The customer checks the work until they find the color/effect they want.

Frilvam delivers the requested color and a sample to the customer. All in the space of one day. In truth, this apparent simplicity rests on the extensive **know-how** accumulated from years of experience, **cutting-edge technology**, and a **flexible and well-prepared structure** to handle any and all demands.

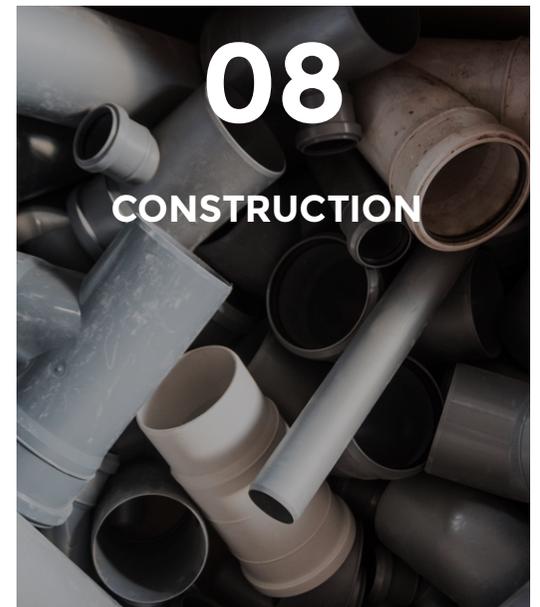
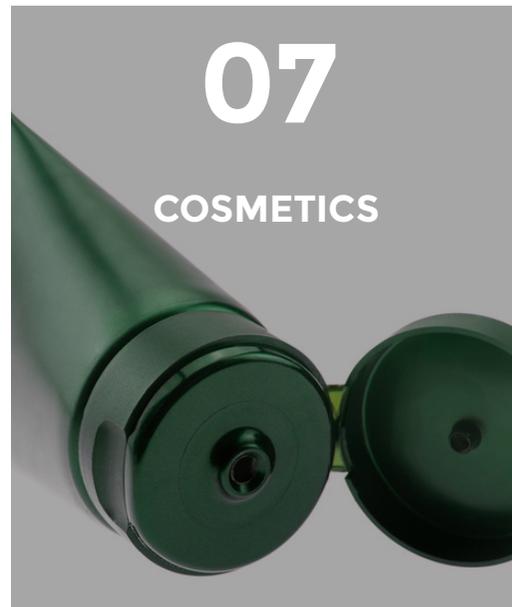
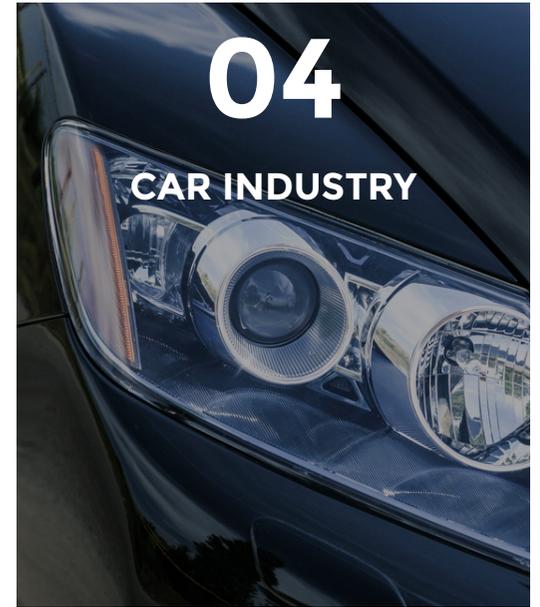
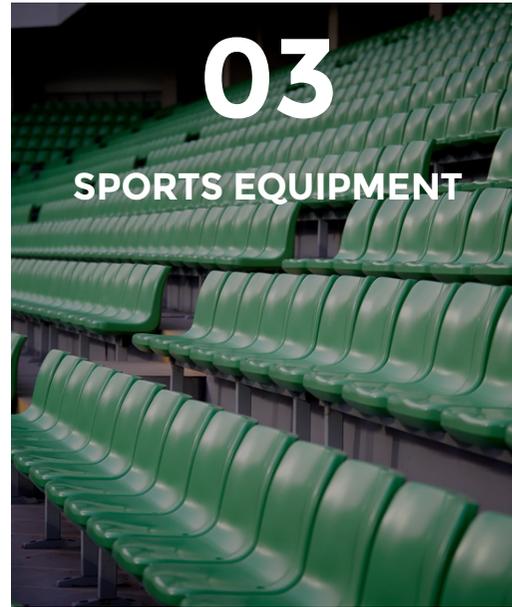
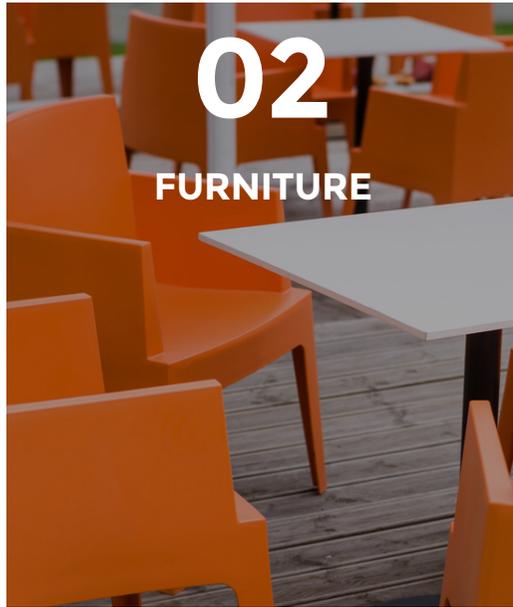
Once customers have made their request, the first step is analyzing the sample they've brought as a reference or proposing our "pre-made" samples (small plates with special effects, bottles, glitter grades) that come closest to the customer's requests. The main types of analysis that can be performed are: **colorimetric reading, infrared analysis, Differential Scanning (DSC), UV spectrophotometer, burning** and the **filter test**.

But each technical question must be considered together with the **customer's other eventual needs**, even those of a less technical nature. Cost, for example, by choosing the least expensive and most accessible raw materials, but which meet the customer's needs.

On the basis of all these variables, the laboratory begins creating proofs, each of which is presented to the customer until the **desired color/effect is found**.

At this point, once the sample has been established and confirmed, **Frilvam produces the final version and, in the space of 24 hours, supplies the customer with the final color and a representative sample**.

SECTORS OF APPLICATIONS



SECTORS OF APPLICATIONS

01

AGRICULTURE

A sector as old as the world, but which continues to evolve. Frilvam is in step with the times and able to meet farmers' most precise needs.

02

FURNITURE

Outdoor items or office furniture. Functional products or pieces of a unique design. Frilvam provides all of the many applications of masterbatches in the world of furnishing.

03

SPORTS EQUIPMENT

A sector where performance is intimately linked to the quality of materials. Frilvam knows this, and is proud to contribute to a world where research and passion can come together.

04

CAR INDUSTRY

This has long been a sector of fundamental importance for plastics. Frilvam masterbatches satisfy the whole range of applications, both technical and esthetic.

05

BIODEGRADABLES

Environmental awareness has become one of today's highest priorities. Frilvam meets this demand with a line of masterbatches that guarantees the possibility of a total biodegradability of the plastic products for which they're intended.

06

BOPP (BI-ORIENTED POLYPROPYLENE)

Today the market for films in bi-oriented polypropylene (BOPP) is growing constantly. Frilvam won't be caught off-guard and guarantees a production of masterbatches to cover the demands of this particular sector.

07

COSMETICS

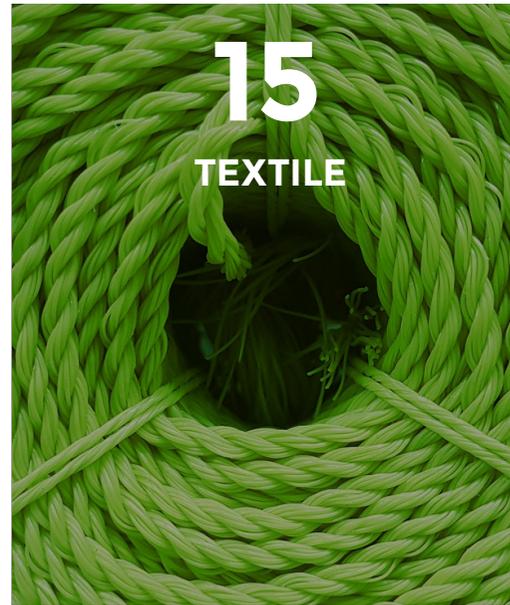
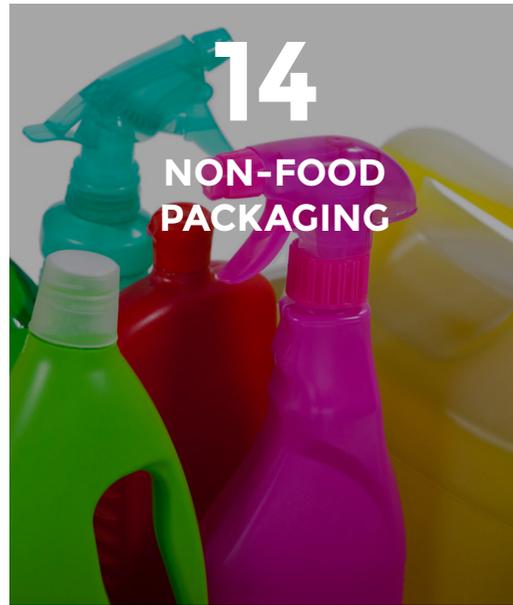
Frilvam has amassed extensive experience in the field and is able to supply products of great esthetic impact, as well as provide technical assistance in the development of any product

08

CONSTRUCTION

Excellent results; great durability and resistance over time; strong structural solidity. The demanding field of construction can call on Frilvam for all its needs.

SECTORS OF APPLICATIONS



SECTORS OF APPLICATIONS

09

HOME APPLIANCES

A constant presence in every home and every setting, these appliances require materials that are increasingly safe, long-lasting and esthetically attractive. All features which Frilvam masterbatches most certainly possess.

10

ELECTRONICS

Extreme working conditions, high temperatures, functionality ... The demands of the electronic sector are many and challenging. Frilvam products meet them all to the fullest extent.

11

TOYS

Truly having fun requires total safety. Frilvam masterbatches meet this requirement, and also assure an excellent esthetic outcome and great durability.

12

DISPOSABLES

Today, even disposable products must offer quality and versatility. Frilvam masterbatches guarantee all of this, along with the respect for the highest safety standards.

13

FOOD PACKAGING

Stringent norms; total safety; materials that preserve and guarantee quality. Food packaging is a true challenge, and one that Frilvam knows just how to meet.

14

NON-FOOD PACKAGING

Hard and soft packaging. Transparent, or in the widest possible range of colors. Frilvam offers solutions for all packaging needs, from the most traditional to individual, specific demands.

15

TEXTILE

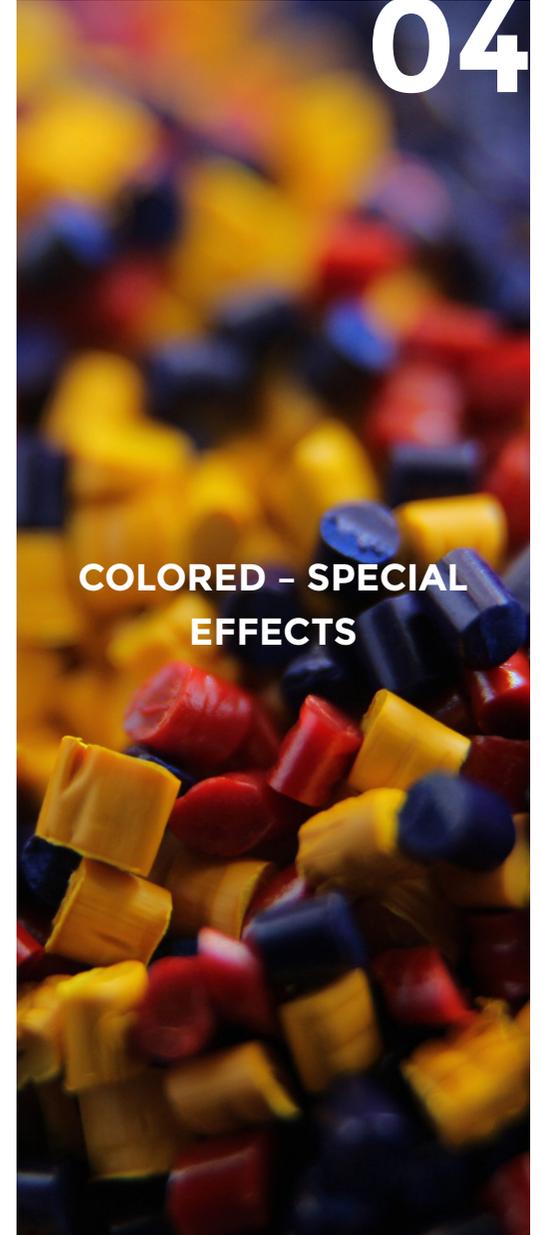
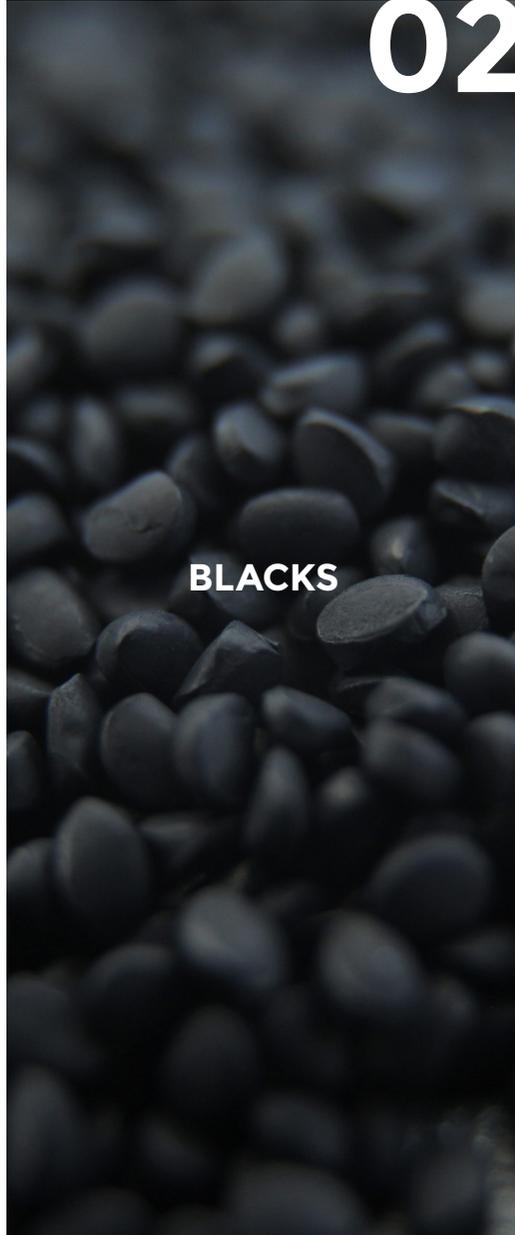
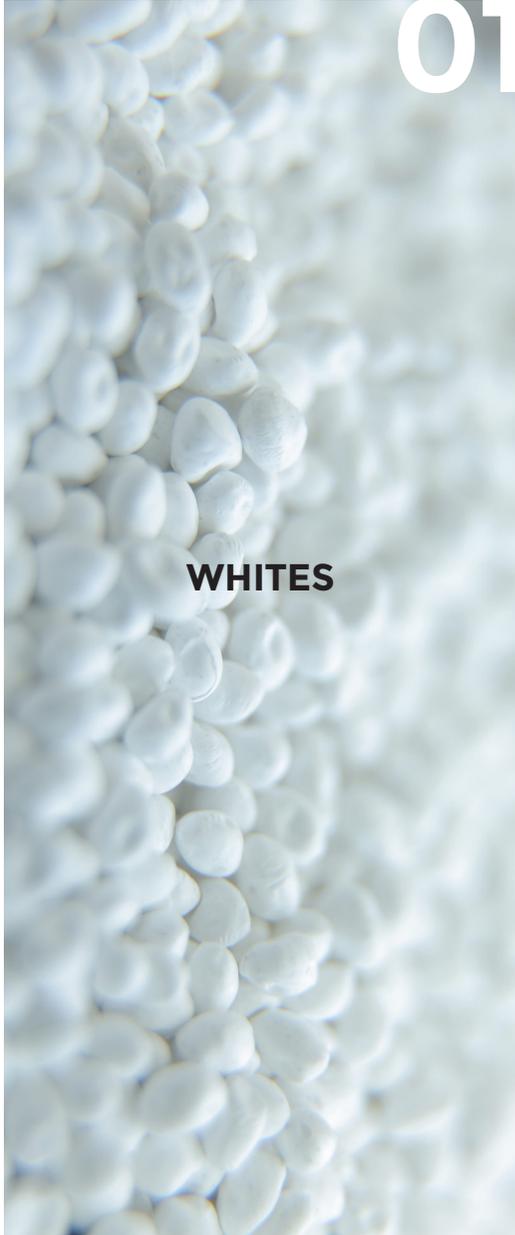
Fashion depends on attention to detail and continuous innovation. Frilvam's products are present in this field as well, strategic and prestigious for Italian-made goods.

16

WPC (WOOD PLASTIC COMPOSITES)

A product that's versatile, long-lasting and 100% recyclable, composite wood is obtained by combining wood fibers, polymers and additives. Frilvam has studied and produced masterbatches specifically for this type of material.

PRODUCTS



01

WHITES

The PRISMA WHITE line is extensive and covers all possible applications, both in the processes of molding, and in extrusion, filming or blowing. All products guarantee the respect of the highest performance parameters as well as excellent dispersion and coverage capabilities.

02

BLACKS

The PRISMA BLACK line includes a variety of products with special features like UV-ray resistance, external-use specificities, suitability for contact with foodstuffs, and they all guarantee an excellent fluidity, dispersion capacity, and color yield.

03

ADDITIVES

Over the years Frilvam has developed a wide range of additives in the PRISMA ADDITIVE line for every need in all sectors of application, with particular attention to agriculture and hard and soft packaging. Our profound knowledge of the interactions between the base resins, additives and the other components, as well as the effects of other potential processes that the finished product will have to undergo before its ultimate application, makes Frilvam a prepared and competent partner for resolving any eventual issues as well.

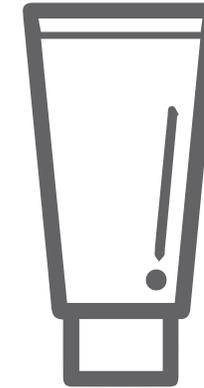
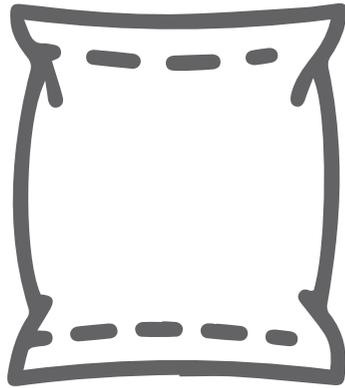
04

COLORED - SPECIAL EFFECTS

Frilvam, in addition to the wide range of colors and special effects of the PRISMA COLORS line achieved by the countertyping of the principal RAL and Pantone codes, also offers the possibility of creating customized colors at its Color Development Center, based on the various marketing and R&D needs of its customers.



PRODUCT SECTOR HIGHLIGHTS



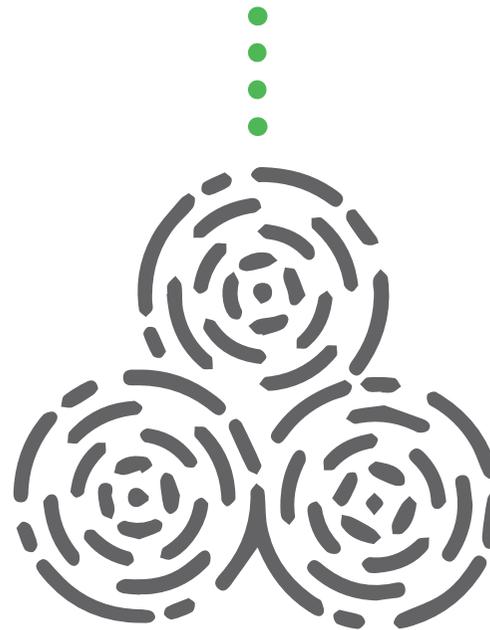
MASTERBATCHES FOOD PACKAGING

- Food Antifog for both cold and hot packaging
- UV barrier
- Ripening retardants
- Non-migrant slips
- O2 absorbents



INDUSTRIAL PACKAGING

- UV stabilisers
- Flame retardant
- Slip, Antiblocking and Antistatic
- White masterbatches, high dispersion, non-die build-up
- V.C.I. (Vapor Corrosion Inibitor)



AGRICULTURE

All types of **UV formulations**

Leader in the field of **Antifog** and **Antimist**

IR Absorber

Refreshing masterbatches

Photoselective

Super thermal

Combibatch (pigments + additives) for mulching and wrapping hay bales

Complete range of Masterbatches, **including those for Raffia** and **monofilaments in PP/HDPE**

16

FOCUS ON



Release agents
for barrier films

New
generation
Food Antifog
(EU - FDA)

Permanent
antistatics
for all types
of polymeric
supports

Process help for
biopolymers

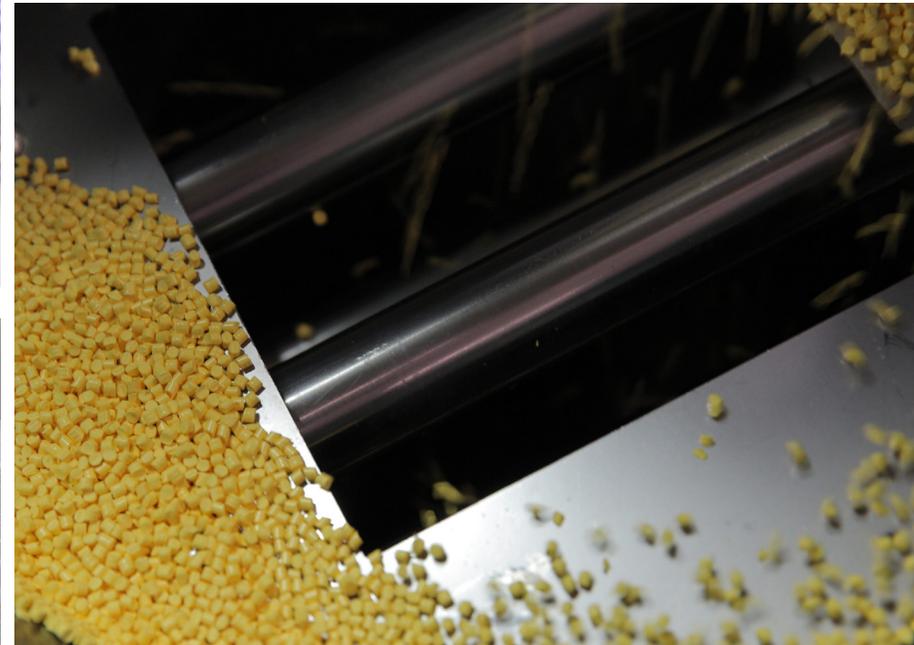
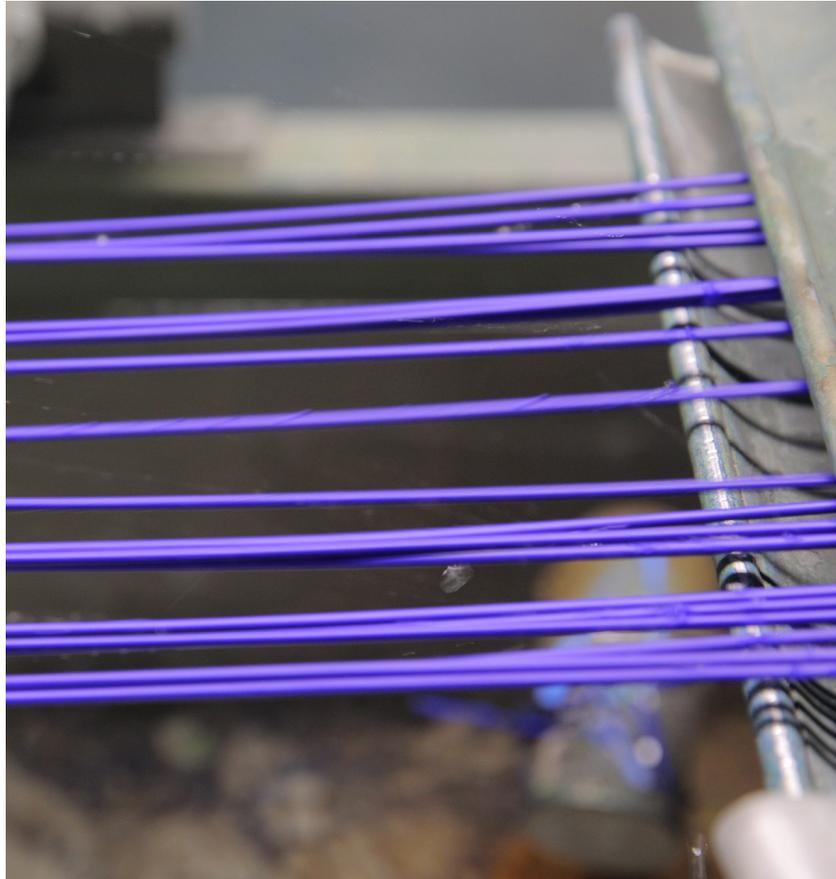
Fresh keeping

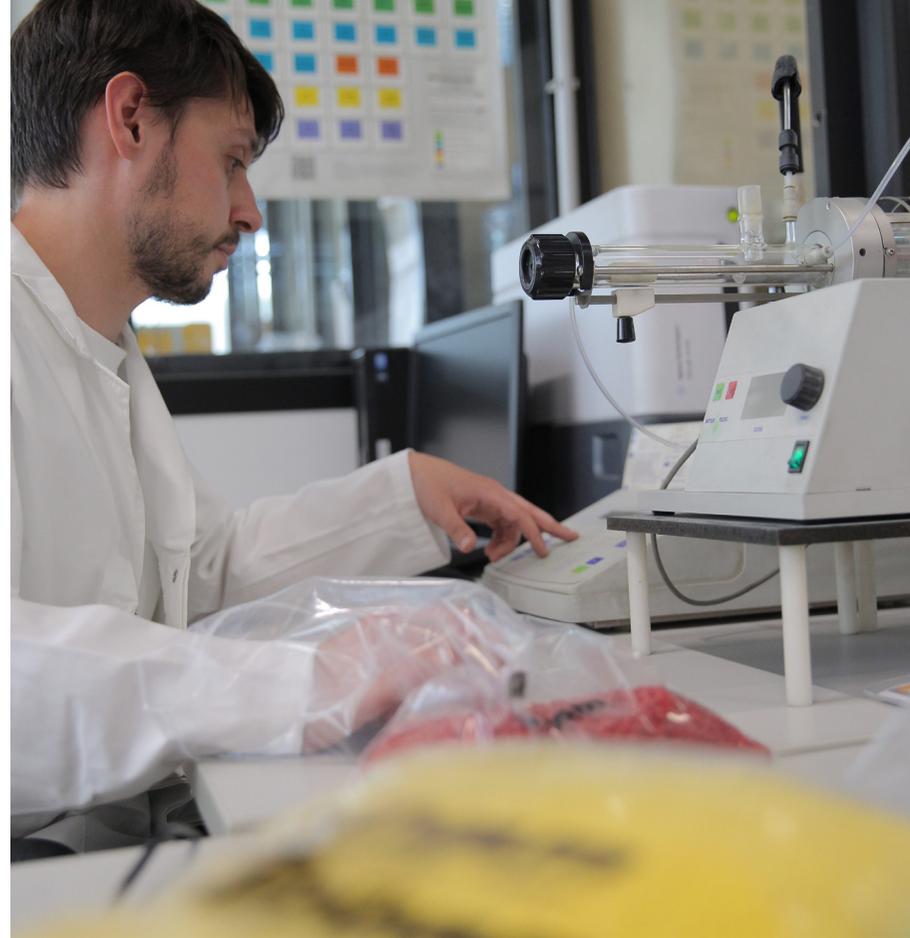
“Easy peel”



17

GALLERY







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