

# Product Solutions

# Sirmax at a glance: a global Group

13 plants around the world,  
each with a specific mission

## Europe



ITALY

**Sirmax S.p.A. Headquarters**  
Cittadella, PD  
PP and rPP Compounds, R&D



ITALY

**Sirmax S.p.A.**  
San Vito al Tagliamento, PN  
EPC and rEPC Compounds, R&D



ITALY

**Sirmax S.p.A.**  
Isola Vicentina, VI  
Logistics Hub



ITALY

**Sirmax S.p.A.**  
Tombolo, PD  
EPC and rEPC Compounds



ITALY

**Sirmax New Life S.r.l.**  
Salsomaggiore Terme, PR  
rPP, rHDPE Polymers, and R&D



ITALY

**Sirmax S.p.A.**  
Mellaredo di Pianiga, VE  
Biocompounds, R&D



POLAND

**Sirmax Polska Sp. z o.o.**  
Kutno 1, Łódź  
PP and rPP Compounds



POLAND

**Sirmax Polska Sp. z o.o.**  
Kutno 2, Łódź  
PP, TPE, EPC and rTPE  
Compounds, R&D

## Americas



BRASIL

**Sirmax do Brasil Ltda**  
São Paulo, Jundiaí  
PP Compounds



USA

**Sirmax North America Inc.**  
Anderson, IN  
PP and rPP Compounds, R&D



USA

**Sirmax North America Inc.**  
Anderson, IN  
rPP Polymers

## Asia



INDIA

**Autotech-Sirmax India Pvt Ltd**  
Palwal, Haryana  
PP Compounds



INDIA

**Autotech-Sirmax India Pvt Ltd**  
Valsad, Gujarat  
PP, EPC Compounds, R&D



INDIA

**Autotech-Sirmax India Pvt Ltd**  
Hosur, Tamil Nadu

New Plant by 2026

# A broad and sustainable product portfolio for a **wide range of applications**



## **Home Appliances**

We develop compounds for the small and major home appliance market segments, in **collaboration with international manufacturers and their supply chains.**



## **Automotive**

Our materials are tested to **OEM and Tier standards** in the automotive industry. Our compounds are used for interior, under-the-hood, and exterior components.



## **Electrical & Electronics**

Constant research enables us to produce compounds with **excellent thermal, electrical and flame-retardant properties**, that also deliver on demanding aesthetics.



## **Power Tools & Gardening**

Compounds that combine high-end technical features to deliver **reliable, lightweight tools suitable for indoor and outdoor use.**



## **Furniture**

Materials designed for **indoor and outdoor** furniture, featuring excellent aesthetic and mechanical properties, as well as being anti-scratch and UV resistant.



## **Building & Construction**

Wide range of special products, with a particular focus on **thermal and sound insulation, weathering resistance, and flame-retardant performance.**



## **Sport & Leisure**

Our materials are ideal for **aesthetic components and parts requiring UV or impact resistance**, as well as those designed for sound absorption.



## **Packaging**

We produce compounds **certified according to the main international standards** for the packaging sector.

## Polyolefin Compounds

### Isoplen® Dafnelen®

**PP** - Homopolymer and copolymer polypropylene compounds with high mechanical properties, developed to meet market demands and industry standards. Products are available in a wide range of colors. Certified flame-retardant versions, both halogenated and halogen-free, are also offered.

### Isofil®

**PP** - Standard and high-performance modified polypropylene, enhanced with various mineral fillers such as talc, CaCO<sub>3</sub>, BaSO<sub>4</sub>, and mica, is available to meet market demands and industry standards. These products are tailored with specific application features, including colors and specifications developed in collaboration with customers. Certified flame-retardant versions, both halogenated and halogen-free, are also offered.

### Isoglass® Dafneglass®

**PP** - Polypropylene reinforced with chemically coupled glass fiber developed in accordance with the main standards of the automotive and household appliance industries. These products show good stiffness performance and thermal behavior, and are available in natural or custom colors. Certified flame-retardant grades, both halogenated and halogen-free, are also offered.

### Isoglass XT®

**PP** - High-performance, chemically coupled glass fiber polypropylene offers an excellent balance of thermal and mechanical strength, combined with high rigidity. The enhanced stiffness enables the design of thinner parts, reducing overall volume and lowering production costs.

### Isoglass LFT®

**PP** - Polypropylene pultrusion compounds with long fibers are recommended for applications requiring high dimensional stability, excellent creep resistance, and superior thermal and mechanical performance, even at low temperatures. These products are available with glass fiber content of up to 60%.

## Styrenic Compounds

### Isoter® Dafnelac®

**ABS - SAN - ASA - MABS** - Styrenic compounds featuring a wide melt flow rate range, along with high impact and heat resistance. These products are also available with glass fiber reinforcement and can be custom-colored based on specific customer requirements. Halogen-based flame retardant options are available. UL certified.

### Isostyr® Dafnestil®

**PS - SB** - HIPS and GPPS compounds, offered in a wide range of formulations with enhanced impact and heat resistance. Custom coloring available based on specific customer requirements. Halogen-based & flame retardant.

## Masterbatches

### Dafnemaster®

**PS - SB** - Masterbatches and combi-batches are produced on various polymeric carriers, combined with additive packages to ensure optimal color performance and meet industrial standards. Leveraging advanced technology and innovative production processes, our MBs deliver high concentrations of color pigments.

## Engineering Compounds

### Isodur® Dafneloy V®

**PBT - PBT/PET** - Compounds based on various polyesters and specialized alloys, offering a wide viscosity range. These products can be reinforced with glass fiber, impact-modified, UV-stabilized, and designed with reduced warpage, with custom coloring available to meet specific customer requirements. Flame-retardant grades, both halogenated and halogen-free, are also available with UL certification.

### Dafneloy D®

**PMMA** - Acrylic thermoplastic compound with a broad viscosity range and impact modification. Available in transparent or solid colors, tailored to meet specific customer requirements.

### Isoblend® Dafneblend®

**PC/ABS - PC/PBT - ABS/PBT - ABS/PA - ASA/PBT ASA/PC - PA/PP** - Polymer alloy compounds produced using various resin combinations. The product range includes glass fiber reinforcements, UV stabilization, and high impact performance. Custom coloring is available to meet specific customer requirements. Registered UL certifications for flame-retardant, halogen-free formulations available.

### Isoform® Dafnelen®

**POM** - Copolymer and homopolymer acetal resins with a wide melt flow range. Available formulations include glass fiber reinforcement and lubrication. Available in natural or custom colors based on customer requirements.

### Isoryl®

**PPO - PPE** - Modified polyethylene-ether compound with a wide melt flow range and high thermal resistance. The product can be reinforced with glass fiber and the color customized to meet specific customer requirements. Halogen-free flame-retardant options are available with UL certification.

### Dafnetec®

**PPS** - High performance engineering compound based on polyphenylene sulfide, with glass fiber reinforcement and mineral filled. Improved impact resistance. Natural and custom colors available based on customer requirements.

### Dafneohm®

**Electrical Conductive Compound** - Electrical conductive compounds available in various resin types and polymer ranges.

### Isonyl® Dafnemid®

**PA6 - PA66 - PA66/6** - Polyamide 6 and 66, as well as a blend of 66/6, offer excellent heat and chemical resistance with impact modification. Reinforced with glass fiber or glass beads, or mineral-filled. Available in natural or custom colors based on specific customer requirements, they also include halogen-based or halogen-free flame-retardant options with registered UL certifications.

### Isoclear® Dafneloy M®

**PC** - Polycarbonate compounds with a wide MFI range. These products can be glass fiber reinforced, impact modified, UV stabilized, and custom-colored to meet specific customer requirements. Halogen-based or halogen-free flame-retardant options are available, along with registered UL certification.

## Circular Compounds



### Green Isoplen™

**PP** - Unfilled polypropylene formulated with a percentage of post-industrial and/or post-consumer raw materials. These products comply with recent standards introduced by the automotive and appliance sectors.

### Green Isofil®

**PP** - Polypropylene with mineral filler formulated with a percentage of post-industrial and post-consumer raw materials. These products comply with recent standards introduced by the automotive and appliance sectors.

### Green Isoglass®

**PP** - Polypropylene with glass fiber formulated with a percentage of post-industrial and post-consumer raw materials. These products comply with recent standards introduced by the automotive and appliance sectors.

### Green Isoblend®

**PC/ABS** - Compounds consisting of a polycarbonate and acrylonitrile-butadiene-styrene alloy containing a percentage of post-industrial raw materials. The product range includes formulations with 45%, 65%, and 85% polycarbonate content for various high-impact and heat performance requirements. Certain grades are available with glass fiber reinforcement.

### Green Isoter®

**ABS** - Acrylonitrile butadiene styrene compound formulated with a percentage of post-industrial or post-consumer raw materials. The product range includes certain grades reinforced with glass fibers.

### Green Isostyr®

**PS** - Polystyrene compound formulated with a percentage of post-industrial raw materials. Available in different colors.

### Green Isonyl®

**PA** - Polyamide 6 and 66 compounds formulated with a percentage of post-industrial raw material. Available with different percentages of glass fiber reinforcement and in different colors.

### Green Isoclear®

**PC** - Polycarbonate compound formulated with a percentage of post-industrial raw material. The product can be glass fiber reinforced, impact modified, and flame retardant. Available with and without halogens and in different colors.

### Green Xelter®

**TPV-TPS** - Thermoplastic elastomer compounds formulated with a percentage of post-industrial raw materials.

## Thermoplastic Elastomers TPEs

### Xelter® S

**TPS - (SEBS/SEPS/...)** - Saturated SBC based TPE's for Injection Molding and Extrusion. Overmolding and coextrusion onto PP and PP compounds. All hardnesses from 0 to 90 Sh A. Different densities from 0.9 to 1.3gr/cm<sup>3</sup>. Flame retardant grades. Food and drink water contact grades. Mass colored grades. Custom grades. Antistatic permanent and antistatic not-permanent grades available.

### Xelter® V

**TPV - (EPDM+PP)** - Dynamically vulcanized TPE's for injection molding, extrusion, blow molding and calendering. Overmolding and coextrusion onto PP and PP compounds. Hardnesses from 35 Sh A to 50 Sh D. Easy coloring and easy processing grades. Flame retardant grades. Food contact grades. Custom grades. Antistatic permanent and antistatic not-permanent grades available.

### Xelter® O

**TPO - Olefinic based TPEs** - Custom grades for technical applications. Antistatic permanent and antistatic not-permanent grades available.

### Xelter® tech

**TPZ - Hybrid and High Tech TPEs** - Grades for overmolding and coextrusion onto polar engineering plastics. Custom grades. Antistatic permanent and antistatic not-permanent grades available.

### Xelter® T

**TPS - (SBS)** - Unsaturated SBC based TPEs. Overmolding and coextrusion onto PP and PP compounds. Custom grades for technical applications.

## Recycled Polymers



### NewPlen®

**rPP** - Recycled polypropylene homopolymer and copolymer suitable for injection molding, extrusion, and thermoforming applications.

### NewTen®

**rHDPE** - Recycled polyethylene suitable for blow moulding, extrusion, and thermoforming.

## Bio Solutions



### BioComp®

**PBAT - PLA - PBS - STARCH \* CA** - BioComp® is an innovative family of bio-plastics made from natural origin components and biodegradable polymers sourced from renewable raw materials and fossil fuels. By incorporating plant-based plasticizers and adding organic and inorganic fillers such as plant fibers, cellulose, lignin, and talc, BioComp maintains its biodegradability and compostability.

### Xelter® bio

**Hybrid and High Tech TPEs** - Bio-based grades for overmolding and coextrusion onto polar engineering plastics. Custom grades available.

Proximity as a company philosophy

# Close to your ideas, close to the environment

The excellence of the Sirmax Group is rooted in the concept of proximity, which allows us to deliver personalized solutions at the heart of every project.

Proximity means **total closeness to our customers**. It is made possible thanks to 13 production plants and 7 R&D centers, fostering empathy and a shared purpose. It reflects our connection to our heritage, ensuring high levels of flexibility and quality. Proximity also means being **close to the market**, anticipating trends, and developing increasingly high-performance compounds.

Proximity also means being sustainable, bridging the gap between resources, markets, and partners to create virtuous production practices that respect the environment.

Sirmax is **close to the environment** thanks to its recycled and biodegradable products. We are **close to innovation**, with advanced techniques in molding and processing plastics, and we are **close to our communities and their people**, the invaluable assets that underpin Sirmax's future.

Proximity is Sirmax's value proposition. It is our defining message and the cornerstone of our uniqueness.

Our Value Proposition

# We are committed to sustainability

To consistently deliver world-class products, Sirmax employs the latest high-tech equipment across all its facilities.

Our products are recognized for consistently achieving the highest standards in **quality and environmental certifications**.

Sirmax products are recognized by various global organizations and hold numerous certifications for meeting strict international standards.





SMART MOLD

# Injection molding solutions

Component design that blends aesthetic appeal and high structural performance.

**SMART MOLD makes it happen.**



#### Engineering

Structural simulation of plastic parts, metal replacement, micro injection molding, and process analysis.



#### Failure Analysis

Understanding and diagnosing component failure to identify the causes and assess corrective actions.



#### Robust Design

Design aimed at maximizing the percentage of post-consumer recycled plastic.



#### GAPP Technology

New process technology for reducing the effect of weld lines in components made from thermoplastic fiber-reinforced plastic compounds.

Thanks to its partnership with Smart Mold, a spin-off of the University of Padua, Sirmax is able to provide different co-design services to its customers.

**Ask us how we can improve  
your molding processes!**

# SIRMAX GROUP

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## Our brands

 Iso®  Dafne®  Xelter®  New Life  BioComp®



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