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# BUILDING & CONSTRUCTION

The Sirmax portfolio includes a wide range of technical products that offer innovative solutions for the building and construction markets. The particular requirements of this market include thermal and electrical insulation or conductivity and metal replacement which led our R&D engineers to develop solutions in polyolefin, styrenic and thermoplastic elastomeric compounds.

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Sirmax showcases a custom line of products developed for the furniture market that feature a great deal of flexibility during the product development phase. A variety of properties can be achieved while focusing on a specific palette of aesthetics, as well as partial or full transparency, also including mechanical, electrical and thermal. If your application requires scratch and abrasion resistance we have you covered. Sirmax R&D engineers pay particular attention to self-extinguishing products, which are designed to meet regulatory safety requirements for use in living spaces. Finally, our expertly designed materials are suitable for technical and design furniture used for indoor and outdoor applications.

# FURNITURE

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# HOME APPLIANCE

At Sirmax, we develop compounds globally for the small and major home appliance market segment, in collaboration with leading international manufacturers and their supply chains.

The key to our growth is constant innovation which supports our customers and continues to help drive their products to first-in-class status through our world class quality with multi-country and multi-product delivery. Our portfolio consists of a wide range of existing UL approvals, technical compounds, thermoplastic elastomers and innovative circular products with a focus on R&D in order to improve cost, feel and end quality!

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# AUTO MOT IVE



Sirmax offers a complete thermoplastic portfolio to the Transportation and Automotive industries. Our experts work in collaboration with our R&D Department to help you select the right material for your application, including Interiors, Exteriors and Under the Hood. We continue to successfully assist our customers through a co-design process to reduce vehicle weight, lower emissions, replace metal parts, all while maintaining a focus on improved safety and durability. In a proactive effort to support our environment, our portfolio also includes circular and bio-plastic solutions.

Through world class technical support, 250 kton production capacity, and global presence and vision we can support the Automotive and Transportation value chain from OEM to Tier!

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We respond to the needs of the electrical and electronics sector by offering high-performance certified products. Through constant research, at Sirmax we produce, in particular, a wide range of compounds with high impact, flame (in highly critical conditions) and heat resistance characteristics, as well as with good electrical properties, in order to meet the many application needs.

## ELECTRICAL & ELECTRONICS

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## POWER TOOLS

At Sirmax, we produce polyolefin compounds with mechanical and aesthetic characteristics suitable to meet the needs of the Power Tools sector. Moreover, we develop high-performance engineering polymers, suitable for the production of tools subject to high stress, impacts, extreme temperatures and chemical aggression, in both the domestic as well as the professional/industrial segments. In the Power Tools sector, we focus the development of our compounds on alternative families of technopolymers, to guarantee lightness and manageability for every system, for both home as well as outdoor applications.

## POLYOLEFIN COMPOUND

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**PP** - Homopolymer and Copolymer Polypropylene Compound with high mechanical properties, developed in accordance with market demands and industry standards. Products available in a wide range of colors and certified flame retardant versions available both halogenated and halogen-free.



**PP** - Standard and High Performance Modified Polypropylene with different mineral fillers (T/TC/CaCO<sub>3</sub>/BaSO<sub>4</sub>/Mica) in accordance with market demands and industry standards. Products with application features in colors and specifications developed with customers. Certified flame retardant versions are available both halogenated and halogen-free.



**PP** - Polypropylene Reinforced with Glass Fiber, chemically coupled or mechanical, with high thermal, impact and stiffness properties, aligned with the standards of the automotive and household appliance industries. The products are available in the color range and flame retardant grades indicated by the sectors with relevant certifications both halogenated and halogen-free.



**PP** - High Performance Glass Fiber chemically coupled Polypropylene. The properties guaranteed by this range of PPGF are aligned with high performance polymers, however, guaranteeing the characteristics of the PP. These products provide good combination of thermal and mechanical stress combined with high rigidity.



**PP** - Polypropylene Pultrusion Compound with long fiber for applications with high dimensional stability and high thermal and mechanical performance. The use of PP LFT is mainly required for structural applications where the orientation of long fibers modifies the anisotropic effect, increasing dimensional stability obtaining applications with very high stiffness. The product range is available in different fiber contents even at high concentrations.

## BIO SOLUTIONS

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**PBAT - PLA - PBS - STARCH \* CA** - BioComp® is an innovative family of bio-plastics produced using components of natural origin and biodegradable polymers obtained from both renewable raw materials and fossil fuels. The use of plasticizers of vegetal origin and the addition of organic and inorganic charges (such as plant fiber, cellulose, lignin and talc) maintains its biodegradability and compostability.



**Hybrid and High Tech TPEs** - Biobased Grades for Overmolding and Coextrusion onto polar engineering plastics. Custom developed grades.

## CIRCULAR SOLUTIONS

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**rPP** - Recycled Polypropylene Homopolymer and Copolymer for injection moulding, extrusion and thermoforming.



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



**PP** - Polypropylene with Mineral Filler formulated with partial quantities of post-industrial and post-consumer raw materials. The products are available in accordance with some standards recently introduced by the automotive and appliance sectors.



**PP** - Polypropylene with Glass Fiber reinforcement formulated with partial use of post-industrial and post consumer raw materials. The products are available in accordance with some standards recently introduced by the automotive and appliance sectors.



**PC/ABS** - Compound of Polycarbonate and Acrylonitrile Butadiene Styrene alloy with a partial content of post-industrial raw material. The product range includes 45, 65 and 85% of PC content, for different high impact performances and some grades with glass fiber reinforcement.



**ABS** - Acrylonitrile Butadiene Styrene compound formulated with a partial content of post-industrial and/or post-consumer raw materials. Available in different melt flow rates. The product range includes also some grades with glass fibres reinforcement.



**PS** - Polystyrene compound formulated with a partial content of post-industrial raw material. Available in different colors.



**PA** - Polyamide 6 and 66 compounds formulated with a partial content of post-industrial and/or post-consumer raw material. Available also with different percentages of glass fiber reinforcement and in different colors.



**PBT** - Polybutylene Terephthalate compound with a partial content of post-industrial raw material. Available also with different percentages of glass fiber reinforcement.



**TPV-TPS** - Thermoplastic Elastomers compound formulated with a partial content of post-industrial raw material.

## ENGINEERING COMPOUND

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**PBT - PET - PBT/PET** - Compound based on different Polyesters and special alloys with wide viscosity range. The products are usually glass fiber reinforced, impact modified, UV stabilized and colored upon specific customer requirement. Availability of flame retardant grades with registered UL certification.



**PMMA** - Acrylic Thermoplastic Compound with a wide viscosity range and impact modified. Product available on transparent colored upon specific customer requirement.



**PC/ABS - PC/PBT - ABS/PBT - ABS/PA - ASA/PBT ASA/PC - PA/PP** - Polymer Alloys Compound produced on different base resins combination. The range of products includes glass fiber or carbon fiber reinforcement, UV stabilization and high impact performance; the products may be colored upon specific customer requirement. Halogen based or halogen-free flame retardant with registered UL certification.



**POM** - Copolymer and Homopolymer acetal resin with a wide melt flow range and impact modified. Glass fiber reinforced, glass beads or mineral filled. Modified with Silicon, PTFE or molybdenum disulfide to improve lubrication. Natural or colored upon specific customer requirement.



**PPO - PPE** - Modified Poly-Ethylene-Ether Compound with a wide melt flow range and performing high thermal resistance. The product is normally reinforced with glass fiber and colored upon specific customer requirement. Halogen based or halogen-free flame retardant with registered UL certification.



**PPA - PPSU - PES - PPS - PK - PEEK** - High Performance Engineering Compound with a wide range of properties. Glass fiber or carbon fiber reinforced with improved impact resistance. Natural and colored upon specific customer requirement.



**Thermal Conductive Compound** - Thermal conductive compound based on different resins available in a wide products range.



**Electrical Conductive Compound** - Electrical Conductive Compound based on different resins available in a wide products range.



**PA6 - PA66 - PA66/6 - PA6/6T - PPA** - Polyamide 6 and 66, 66/6 Copolymer, PPA, with heat resistance and impact modified with a wide viscosity range. Glass fiber or carbon fiber reinforced. Glass sphere or mineral filled. Natural and colored upon specific customer requirement. Halogen based or halogen-free flame retardant with registered UL certification.



**PC** - Polycarbonate Compound with a wide MFI range. The products may be glass fiber reinforced, impact modified, UV stabilized and colored upon specific customer requirement. Halogen based or halogen-free flame retardant. Registered UL certification available.

## STYRENIC COMPOUND

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**ABS - SAN - ASA - MABS - AES - SMMA** - Styrenic Compound with a wide melt flow rate range, impact modified and heat resistance. The products are available also glass fiber reinforced and colored with matt or high gloss surface, upon specific customer requirement. Halogen based flame retardant. UL certified.



**PS - SB** - Styrenic Compound, with a wide melt flow rate range, impact modified and heat resistance. Colored upon specific customer requirement. Halogen based flame retardant. UL certified.

## MASTERBATCH

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**PS - SB** - Masterbatch and Combi-Batch produced on different polymeric carrier, combined with additive packages to guarantee color performance and achievement of the properties indicated by the industry standards. Service activities to support customers using products with the use of products with a high concentration of color pigments thanks to dedicated technology and innovative production processes.

## THERMOPLASTIC ELASTOMERS (TPE)

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**TPS - (SBS/SIS/)** - Unsaturated SBC based TPE's. Overmolding and Coextrusion onto PP and PP compounds. Custom developed grades for technical applications.



**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 developed grades.



**TPO** - OBC based TPE's. Custom developed grades for technical applications.



**TPV** - 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 developed grades.



**Hybrid and High Tech TPE's** - Grades for Overmolding and Coextrusion onto polar engineering plastics. Custom developed grades.

# PROXIMITY AS A COMPANY PHILOSOPHY

## Americas



USA

**Sirmax North America - Anderson, IN**  
PP Compound



USA

**Ser North America - Anderson, IN**  
Circular Economy Plant



BRASIL

**Sirmax do Brasil - São Paulo**  
PP Compound

## Asia



INDIA

**Autotech Sirmax - North Palwal**  
PP Compound



INDIA

**Autotech Sirmax - West Valsad**  
PP, EPC Compound and R&D



Capacity increase



**Proximity means total closeness to our customers, empathy and a shared purpose.**

Proximity means being sustainable, shortening the distances between resources, market and partners and giving life to virtuous production while respecting the environment.

Proximity is Sirmax's value proposition, the company's resounding message and what makes us unique.

**Close to your ideas, close to the environment.**

Sirmax is an R&D based independent global leader in providing compounded solutions to the thermoplastics processing industry by offering polypropylene and engineering compounds, custom colors, additives, and extensive technical expertise. We also apply our technological approach to the circular economy by developing traced and certified sustainable and bioplastics solutions to fulfill our customers needs.

## Europe



ITALY

**Sirmax S.p.A. - Cittadella**

PP Compound and R&D, Headquarters



ITALY

**Sirmax S.p.A. - San Vito**

EPC Compound and R&D



ITALY

**Sirmax S.p.A. - Isola Vicentina**

Logistic Hub



ITALY

**Sirmax S.p.A. - Tombolo**

EPC Compound



POLAND

**Sirmax Polska - Kutno 1**

PP Compound



POLAND

**Sirmax Polska - Kutno 2**

TPE & EPC Compound



ITALY

**Ser S.r.l. - Salsomaggiore Terme**

Circular Economy Plant



ITALY

**Microtec - Mellaredo di Pianiga**

Bio Polymer Plant



**Capacity increase**

# DISCOVER MORE ON SIRMAX.COM



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