

XIX Exposición Internacional de Plásticos

argenplás 2024



Una industria comprometida con el ambiente, la economía circular y la innovación.

Presentada por:



**Delivering a sustainable future
through innovative materials solutions
and collaboration**

*June 4 to 7 in La Rural, Buenos Aires
Every day from 2:00 p.m. to 8:00 p.m.*

Argenplás 2024, International Plastic Exhibition, which takes place every 2 years in Buenos Aires, Argentina, continues to advance rapidly in the organization under the motto “Latest innovations in compliance with the concept of the circular economy” constitutes:

- ✓ An integrating factor of all international trends on plastic
- ✓ A space with immediate responses to all the emergencies generated by the market:
 - solutions to boost decarbonization,
 - the circular economy,
 - digitization,
 - and artificial intelligence

Plastics in the automotive industry (First part of two)

By Eng. Ariel Galbiati

Day by day, throughout the world, the use of polymers and elastomers in the automotive industry is growing.

The use is becoming more frequent for various reasons and metallic, ferrous (such as steel) and non-ferrous materials are being replaced by plastics, little by little, in a large number of pieces.

Nowadays, one of the most important factors taken into account when designing or defining components is weight, which is why metallic materials such as steel are being replaced by plastics or even aluminum, as an alternative.

Other factors, also very relevant, are the possibility of achieving more complex designs or shapes, better resistance to corrosion and recycling, which helps protect the environment and natural resources.

- *Lower weight*
- *Lower cost of PM*
- *Lower cost per finished piece*
- *Greater ease of processing*
- *Corrosion resistance*
- *Possibility of recycling*
- *Greater freedom to design complex shapes*
- *Greater resistance to friction*
- *Better energy absorption during an impact*
- *Greater resistance to attack by chemical products*

- *Possibility of being painted or coated*
- *Combination with other materials to improve aesthetics*
- *Thermal, electrical and acoustic insulation properties*

Since its inception, the use of plastics in automobiles has experienced exponential growth, especially over the last 40 years, from a few kilograms per vehicle to more than 100 kilograms on average per car produced since 2000.

There are various studies on the types of materials used in the production of the parts that make up an automobile; it can be estimated that approximately 15% corresponds to plastic materials.

Without plastics, today's cars would be 200 to 300 kg heavier.

A fundamental milestone in the application of plastics was the production of fuel tanks.

Through blowing or injection, complete shapes can be achieved that allow them to be adapted to the available places in the car, facilitating the design process.

If the non-metallic materials used in a current automobile are considered, in percentage terms, the most used material is PP (polypropylene), which represents almost 30% by weight, followed by rubber in tires, then engineering polymers and various elastomers.

As an example, the use of PP can be highlighted since it offers high chemical resistance,

greater heat resistance than other materials such as PE (polyethylene), good mechanical and electrical resistance and the possibility of incorporating loads, such as They are carbon black and various fibers.

PP loaded with EPDM (Ethylene Propylene Diene) is the most used material for the production of bumpers, it is also used to form tanks for various liquids, spoilers, covers, etc.

PVC (polyvinyl chloride) is widely used in some flexible tubes, gaskets, coatings and as an insulating coating for conductive cables, mainly due to its low cost, high flexibility and resistance to combustion.



(Continued in the next Gazette)

Si su empresa necesita aumentar sus ventas, mostrarse y salir al mundo, argenplás es su principal socio.

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Argenplás es el punto de encuentro que cada dos años, empresas nacionales e internacionales, eligen para hacer negocios:



MÁQUINAS Y EQUIPOS



AUTOMATIZACIÓN Y CONTROL DE CALIDAD



MOLDES Y HERRAMIENTAS



MATERIAS PRIMAS Y PRODUCTOS QUÍMICOS



PROCESADORES DE PLÁSTICO, PRODUCTOS ACABADOS Y SEMI-ACABADOS



CAUCHO



CUIDADO AMBIENTE Y RECICLAJE



ENTIDADES, ASOCIACIONES, BANCOS, SERVICIOS Y REVISTAS TÉCNICAS

Manténgase al día con las últimas novedades a través de nuestras redes:



Notable topics that the exhibition will develop, among others:

- Additive manufacturing, also known as 3D printing.
- The Industrial Revolution 4.0 or fourth industrial revolution, with the transformation of factories into an area also known as the advanced manufacturing industry.
- Innovation arouses a lot of curiosity and will have a main role in the call, given that the most interesting topics will be addressed following global trends.
- Robotics, its advance promotes the accelerating momentum of Smart Factories. It is the unequivocal result of research, development and invention and its contribution is as valuable as the contribution of automation, which has made Olympic leaps in its development in recent decades for unexpected applications and astonishing results.
- Digitalization that, with your active participation, has been integrated to improve processes and competitiveness and your valuable contribution that has optimized all systems.
- The contribution of plastics in the different areas of light construction: construction, nautical, etc.
- The latest technologies to solve the “5Rs”, Reduce, Refuse, Recover, Reuse, Recycle.



Visitor profile

Argenplás 2024 is a meeting of professionals with a profile selected to provide the exhibitor with a favorable environment to do business:

- *Entrepreneurs, executives, engineers, technicians and professionals related to the sector.*
- *Manufacturers, processors and users of plastic products.*
- *Raw material transformers.*

People from management, technology and production, sales and marketing levels from all industry sectors:

- *Automotive and Transportation*
- *Construction*
- *Electric engineering*
- *Electronics and mechanics*
- *Telecommunications*
- *Home's products*
- *Medicinal laboratories,*
- *Veterinary and cosmetic*
- *Medicine and health care, among others.*

Items

Argenplás 2024, is the obligatory event that every two years, national and international companies from the following areas find themselves in the appropriate space to face the future of their companies:

- *Machines and Equipment*
- *Automation and Quality Control*
- *Molds and Tools*
- *Raw Materials and Chemical Products*
- *Rubber*
- *Packaging*
- *Plastic Transformers,*
- *Finished and Semi-Finished Products*
- *Environment and Recycling*
- *Reinforced plastics, composites, polyurethane and rotomolding.*
- *Entities, Associations, Banks, Services and Technical Magazines*

La Rural, Green Pavilion, June 4 to 7, 2024

hours from 2:00 p.m. to 8:00 p.m.

Entry of minors under 18 years of age is prohibited

ARGENPLAS XIX Exposición Internacional de Plásticos 2024

Date: June 4 to 7, 2024

Number of visitors: +12,000

Exhibition Hours: 2:00 p.m. to 8:30 p.m.

Accreditation Hours: 1:45 p.m. to 8:00 p.m.

Location: La Rural, Buenos Aires Fairgrounds

Pavilion: Green

Organizers: CAIP - Cámara Argentina de la Industria Plástica

Perform: MBG & EVENTS

Markets PWI EVENTS

Official catalogue, press and dissemination: Editorial Emma Fiorentino.

The entry of minors under 18 years of age is prohibited, even if they are accompanied by an adult.

Exclusive and free event for professionals in the sector who pre-accredited through the website or by presenting the invitation.

Organizers: CAIP: Cámara Argentina de la Industria Plástica.

Perform: MBG & EVENTS

Marketed: PWI Events

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If your company needs to increase its sales, show itself and go out into the world, Argenplás is your main partner.

Edition after edition it is proven that the only place to do business is Argenplás.

Regardless of the size of your company, or the role in the production chain, your company cannot be absent from the only event that brings together all the protagonists of the industry.

More than 150 exhibitors from Argentina and 10 countries around the world will meet to show and sell their products to more than 12,000 professionals.

For more details of what you can experience during Argenplás 2024, the most important event of the year, consult:

www.argenplas.com

who do ARGENPLAS 2024



MBG & EVENTS

It strives to create high-profile, highly focused events, where buyers and suppliers from all over the world come together to do business. Every year MBG & Events holds events that attract more than 1,000 exhibiting companies, and more than 150 thousand buyers from the most diverse industries.



PWI EVENTS

It develops and operates more than 25 annual events without losing focus on each business generating long-term exponential growth and added value for its clients.

A team of professionals with more than 20 years of international experience in the exhibition sector are the key to producing high-quality events, focused on their clients and with a high return on investment.



Cámara Argentina de la Industria Plástica - CAIP

It is the institutional business entity that brings together the Argentine Plastic Transforming Industry and was founded on December 28, 1944, with clear and concise objectives:

- *Gather, relate and link industry entrepreneurs with each other;*
- *Represent and defend your rights;*
- *Manage provisions or measures that tend to preserve the*

interests of the sector;

- *Resolve problems that affect associates;*
- *Establish business-labor links;*
- *Promote the progress of the Argentine Plastic Industry.*

The CAIP actively participates in different levels of leadership of the Argentine Industrial Union (UIA) and is a member, along with its counterparts in the region, of the Latin American Association of the Plastic Industry (ALIPLAST).

PARTNERS: With an important component of creativity and with the support of the highest technology, the Argentine Plastic Industry satisfactorily supplies the domestic market and exports finished products that correspond to international quality standards.

Today, the CAIP represents more than 1,300 companies and among the services it provides, the following stand out: Advice, undergraduate and postgraduate training of labor, Publications, Specialized Library, Permanent Exhibition of the Plastics Industry and Participation in Fairs and Exhibitions.

www.argenplas.com.ar - www.argenplas.com.ar/Prensa



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Participe de la exposición más importante y representativa de la región.



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