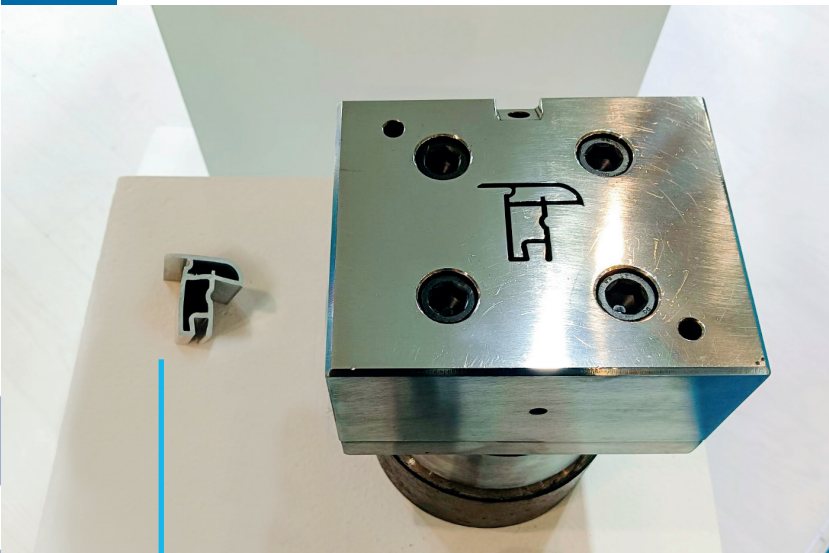




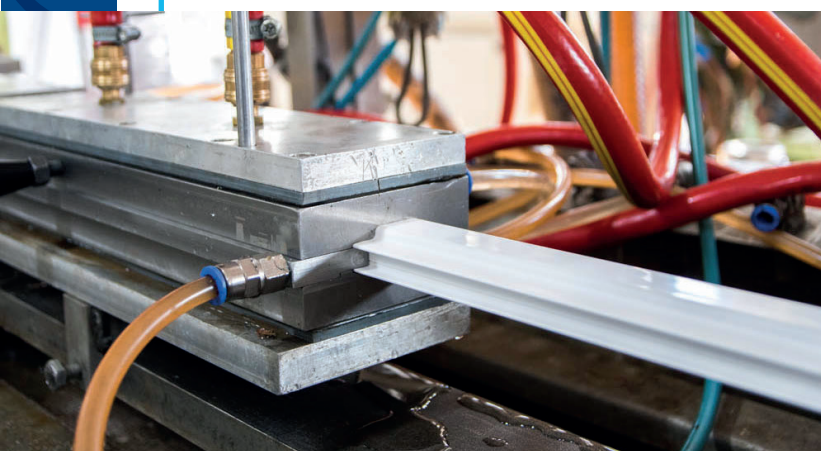
LEONIDIS

TOOLS & PLASTICS



Starting from prototypes, we go through in-house extrusion mold construction, plastic production of co and tri-extrusions and continue with added services, like punching, drilling, special packaging etc. It is the path that we develop at LEONIDIS, totally processed in our 1500 square meters proprietary facilities.

In such a view, even the choice of raw material, which is managed at LEONIDIS resorting to the best suppliers on the market, makes a fundamental aspect for the final quality of each plastic product. The deepened knowledge of all the process, from mold to finished plastic extrusion, also certified with ISO 9001:2015, is one more point of strength that only a company like LEONIDIS can offer.



Designing and manufacturing extrusion molds and producing custom plastic profiles of high quality for the most varied applications, perfectly fulfilling the buyer's needs: this is in brief LEONIDIS entrepreneurial mission.

From professional equipment to refrigeration and air conditioning, from Super-Market chains to furniture and display systems, from mosquito screen system to exhibition stands, printing houses and aluminum factories. There are no limits to the use of LEONIDIS plastics: exclusive knowledge makes an important point of strength of our firm and joins to productive flexibility and the skill to offer supplies in large batches. Such an experience wealth, since 1978, makes LEONIDIS, not only able to dialogue with customers' diversified needs but also translate itself into a catalogue of already available plastic solutions.



CUSTOMIZATION BASED ON YOUR NEEDS

Qualifying choices that enable LEONIDIS, a family owned business, to propose itself as a real long-lasting partner, on which each customer may count.

In-house Extrusion Tooling & Custom Plastic Profiles

We specialize in designing, manufacturing, assembling and delivering a wide variety of customized plastic extrusions that allow your product to reach its full potential.

We're always testing new or improved materials to be able to offer you a wider selection of material choices. LEONIDIS Tools & Plastics proudly works closely with industry-leading material manufacturers and thermoplastic polymer compounds. We have extensive experience extruding more than 15 different grades of polymer compounds, including ABS (Acrylonitrile Butadiene Styrene), Acrylic, CPVC (Chlorinated Polyvinyl Chloride), Flexible PVC (Polyvinyl Chloride), Polypropylene, Polycarbonate, Polyethylene, PVC (Polyvinyl Chloride) and Rigid PVC (Polyvinyl Chloride).

Below we offer a short material guide to help you in a glance to make the best choice for your application.

ABS

(Acrylonitrile Butadiene Styrene)

ABS is made by polymerizing styrene and acrylonitrile in the presence of polybutadiene. The nitrile groups from neighboring chains, being polar, attract each other and bind the chains together, making ABS tougher than pure polystyrene. The styrene gives the plastic a glossy, waterproof surface. Polybutadiene provides toughness even at low temperatures.

Used in: Refrigeration Industry, 3D Building Materials, Pipes, Fittings, computer keyboard Keys, LEGO etc.

ACRYLIC

Acrylic, also known as Plexiglass, provides a good balance of strength, weatherability, and clarity. It's available as a clear compound, and can be diffused to specification. Acrylic has gained widespread because of its amazing light transmission and ability to replace glass. It is used in industry where transparent plastics with a greater thickness than polycarbonate are needed. Not suitable for applications requiring impact resistance. Excellent resistance to UV radiation, resistant to light acids, operating temperature up to 70. **Industrial applications:** lighting, signage.

PVC

(Polyvinyl Chloride)

PVC is the third most popular synthetic plastic polymer in the world and is a true workhorse in the extrusion industry. It is widely used for multiple applications in almost every market. PVC comes in two basic forms: rigid (sometimes abbreviated as RPVC) and flexible PVC (FPVC). Rigid plastic has high mechanical strength and chemical resistance. Operating temperatures 0°C-60°C, electrical insulation, high corrosion resistance, low moisture absorption.

Industry applications: piping, signs, construction.

POLYPROPYLENE

Its technical characteristics make it ideal for use in areas that require high resistance to corrosion and chemicals. It has good dimensional stability over a wide temperature range. Available as a natural colored, colorable, UV stabilized compound.

Industrial applications: chemical industry, laboratory equipment, construction machinery, water treatment, air ducts, gears.

POLYCARBONATE

A very hard plastic with excellent structural stability, impact resistance, abrasion resistance, high & low temperature performance electrical insulation and optical clarity. Resistant to heat, inorganic chemicals, oils and dilute acids, weather conditions and UV radiation. Operating temperature -60°C to +120°C.

Industrial applications: machine guards, lighting covers, insulation

POLYPROPYLENE

Polypropylene copolymer has similar characteristics to the common type of polyethylene PE. Provides a good balance of strength, impact resistance, exceptionally low moisture absorption, low temperature performance, and colorability.

High resistance to chemicals, suitable for contact with food, operating temperature +200°C to +80°C.

Applications: conveyor belt components for sensitive products, chemical and pharmaceutical industry, chain guides, areas requiring high levels of hygiene.



LEONIDIS

We are everywhere

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